



Published every other Wednesday by Convair, a Division of General Dynamics Corporation, for the benefit of Convair people everywhere.

# Convairiety

Vol. 9, No. 14

Wednesday, July 11, 1956

Antelope Valley

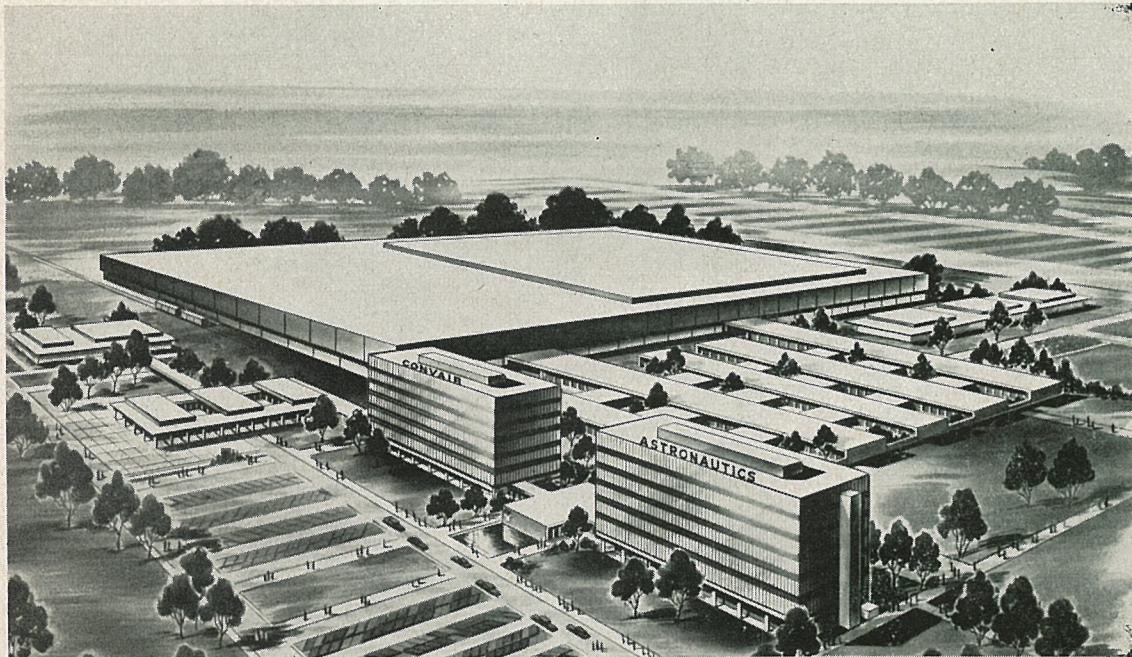
EDITION

San Diego news office:

Building 32, ext. 1071

SAN DIEGO, POMONA AND ANTELOPE VALLEY, CALIFORNIA

DAINGERFIELD AND FORT WORTH, TEXAS



**PLANT TO BE**—This is artist's conception of new plant which will house Convair-Astronautics. Site is at Montgomery Field, east of Highway 395.

## Plans For New Plant Include Spacious Factory Area and Office Buildings

An artist's conception of the new Montgomery Field plant which will house Convair-Astronautics was released this week.

The plant will consist of a one-story high-bay factory building of approximately 500,000 square feet; two six-story office buildings, each having almost 170,000 square feet of working area; a 147,400 square-foot engineering laboratory; a cafeteria-auditorium; a 75,000 square-foot instrument and computer center; and several special purpose test and utility buildings.

Convair President Joseph T. McNarney said construction will get under way later this summer and is scheduled for completion in 1957.

The \$40,000,000 facility, located northeast of San Diego, will be devoted to research, development, manufacturing and preliminary testing of the Atlas intercontinental ballistic missile, as well as related projects looking into the future of astronautics.

Cost of land, buildings and some equipment will be met by Convair. Special equipment, including machine tools, will be paid for by the U.S. Air Force.

The site is a 252-acre tract on Kearny Mesa, adjacent to the city-owned Montgomery Field. It lies immediately east of Highway 395 and north of Montgomery.

Convair-Astronautics will be laid out to provide the best possible environment for the advanced technical work to be carried out there, according to J. R. Dempsey, director of the Atlas program. Buildings will be arranged to simplify the security procedures under which the plant will be operated, he added.

The City of San Diego is planning an east-west access road leading off Highway 395 so the plant will be reached easily by the more than 6,600 engineering, production and administrative personnel that will be employed there by 1958. Parking areas are adjacent to each building.

Entrance to Convair-Astronautics will be through a one-story lobby connecting the six-story window-walled engineering and administration buildings. Each of these office buildings will be 80 feet wide and 225 feet long.

To the rear of these structures will be the engineering laboratory. The laboratory will employ a waffle type of construction, with light courts between the low-level structures and their connecting passages. Much of the work to be done here will concern electronics.

The manufacturing building will be 770 feet long and 640 feet wide. Its 45-foot high bay will accommodate some mezzanine (Continued on Page 2)

## All Convair SD To be Welcome At Open House

A special invitation to all Convair people, their families and friends, to attend Convair San Diego's first "Open House" since 1953 was extended this week by SD Division Manager B. F. Coggan.

"We hope you will bring your family and all your friends. And ask your neighbor and his friends, too," Coggan said.

Three F-102A take-offs from Lindbergh Field have been arranged as Open House highlights. They will take place at 11 a.m., 1 p.m. and 3 p.m.

Convair will throw open its gates at 9 a.m. July 21 to all comers. They will be given an opportunity to view production activities at both Plants 1 and 2. Open for the first time will be areas producing the new F-102A supersonic interceptor and also the equally new Model 440 "Metropolitan" transport. In addition, there will be displays set up all along the tour route, a static exhibit area and a special aircraft display section featuring Convair's products.

The Open House is part of Convair's contribution to the first Fiesta del Pacifico which



opens a month-long stand July 18 and includes many civic and entertainment functions.

In keeping with the theme, Coggan and the San Diego master group will be on hand during the day, dressed in Fiesta costumes. Official hostess will be Gay Cowie, Miss San Diego. Supervisors will act as hosts in various areas and will answer questions.

All Convair parking lots will be open except the executive parking lot and the new lot on Lindbergh Field. Entrance to Plant 1 will be via Overpass No. 2 (near the employment office) while the exit will be over Overpass No. 1 (in front of Bldg. 5). Plant 2 visitors will enter and leave via the Plant 2 Overpass.

As a special service to visitors (Continued on Page 2)

## 75% of Tickets For 'California Story' Already Sold Out

Possibility of sell outs at two "Convair Nights" during the presentation of the "California Story" at Balboa Park loomed this week with about 75 per cent of the available tickets already sold.

Aug. 3 and 4 have been set aside as Convair nights and tickets are being offered at reduced rates for a limited time only. Regular \$2.50 reserved seats are sold for \$2 and \$1.50 seats for \$1. They are available at employee services offices at both plants.

"The California Story" is a lavish presentation with a cast of 1,600 people. It is the highlight of the Fiesta del Pacifico.

## Survey Shows Civic Activity

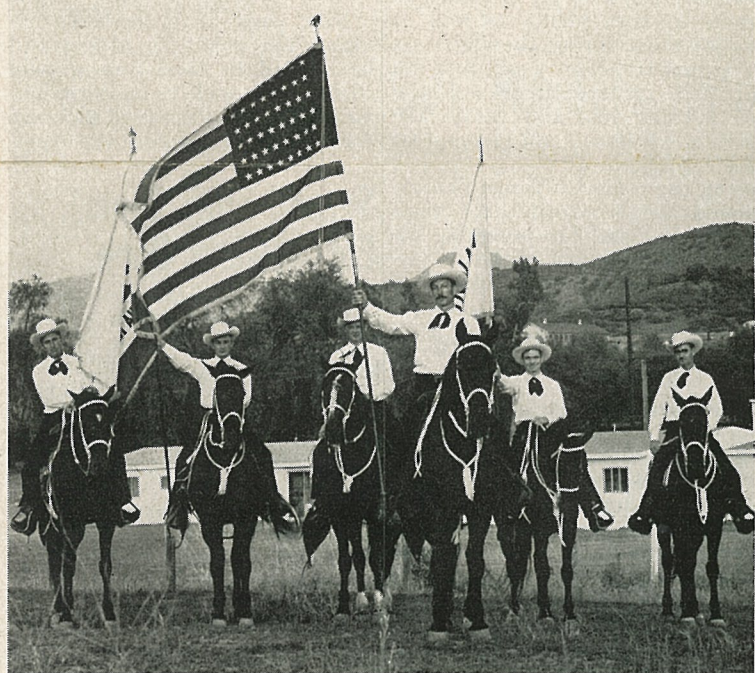
About 400 employees working at Convair San Diego (including Astronautics and General Offices) hold key positions in welfare, education, business and public service organizations.

This represents some 1.5 per cent of all employees.

Unofficial results of a survey conducted among all San Diego employees show Convair people to be active in just about every organization falling under the categories mentioned above. In most, Convair people hold one or more key elective or appointive offices.

A general breakdown reveals the Boy Scouts to rank highest in the number of volunteer workers with business and charitable organizations a close second.

Fittingly, two of the most active men at San Diego are Convair President Joseph T. McNarney and B. F. Coggan, SD manager. Both devote extensive (Continued on Page 2)



**IMPRESSIVE**—Members of CRA Color Guard practice for appearance at eighth annual CRA Riding Club Horse Show to be held this coming Sunday at Palomar Stables. Left to right: Fred Nipper, Dick Borgadus, George Green, Bob Areta, Fred Markwith, Art Bethune.

## Record Crowd Expected For Annual Horse Show

"San Diego County produces some of the best equestrians in the nation. And most of the better riders from this and other counties will be on hand to take part in the eighth annual CRA Horse Show sponsored by the Convair SD Riding Club."

That was the word this week from Commissioner Marc Beresford and other show officials as they checked entries and last minute preparations for the Sunday (July 15) show at Palomar Stables, Mission Valley.

The morning show starts at 9 a.m. and is devoted to children's classes in a variety of events. CRA's Color Guard makes a presentation of the colors at 1:30 p.m. to start the afternoon program.

There is no charge for either show.

"While we have about reached a peak in the number of contestants (about 200) each year, we find the quality of the riders and their mounts improve from year

to year," Beresford said. "Our show is now considered one of the top events of the season on the circuit."

Youngsters will be divided into two classes by age for some events, with other events open to all riders 17 and under.

A special added event during the afternoon will be a performance by the La Mesa Tumbleweeds, a talented precision riding team composed of juniors.

Sandwiches and soft drinks will be available throughout the day.

## Production F-102A Scores Kill on B-17

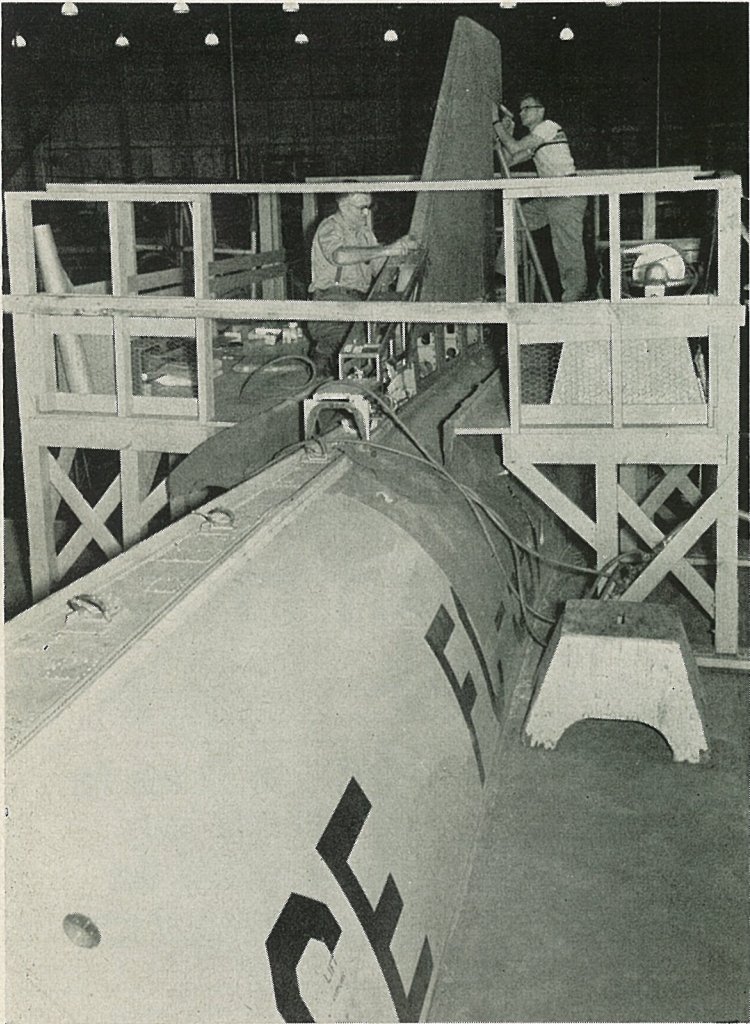
Another "kill" for the F-102A was chalked up June 20 when a production model F-102A knocked down a B-17 drone using a GAR1 "Falcon" guided missile.

The practice mission against the unmanned drone was the first involving a production F-102A. It was conducted over the Gulf of Mexico.



**DECKED OUT**—In keeping with Fiesta del Pacifico theme, these members of SD Division Manager B. F. Coggan's master group appear in proper costume. Left to right, standing: D. C. Wilkens Jr., Ralph Bayless, G. A. Covington, A. W. Morgan, Coggan, D. B. Acker, J. R. Dempsey, R. E. Bechtol. Below: C. W. Greaves, D. H. Digges, D. C. Burrows, W. H. Mollering.





"BIG TAIL"—Crews at Palmdale are installing larger tails on several F-102As, a change which ultimately will apply to virtually all the delta wing interceptors. First "big tail" production ships are expected off San Diego line soon. "New look" perfects control during extreme, high-speed maneuvers.

## Claims on Dependent Insurance Exceed Premiums Paid for Year

Premiums on group insurance for dependents were increased by 17 cents a week, effective July 1, due to an unfavorable loss ratio, with benefits paid out exceeding premiums paid during the last year.

Estimated cost (mostly for claims paid) for operating the program during the past year was \$1,323,917. Income from premiums for the same period ending June 30, 1956 was \$1,284,071, representing a difference of \$39,846.

"Convair carries group insurance on all employees without cost to them," J. K. Field, employee services chief, explained. "However, dependents insurance is administered separately and premiums are based on yearly cost estimates.

Therefore, when the amount of claims actually paid is in excess of that anticipated, it is necessary to make adjustments."

Despite the current increase, dependents insurance continues to be a very reasonable investment in protection. This is the first boost in a long time, even though coverage has been greatly expanded over the years.

Hospitalization accounted for the greatest single outlay during the year, amounting to \$560,399. Surgical benefits took \$468,009 and X-ray and laboratory fees \$153,654.

Rates for dependent coverage are the same, regardless of how many dependents are involved.

The new deductions will be reflected in hourly checks distributed Friday (July 13) and flat salary checks distributed July 27.

## Art Show Will Feature Aircraft Designs; Special Preview Scheduled For Convair SD

(Picture on Page 3)

The striking parallels between today's fine art and industrial design, particularly aircraft design, will be shown in a special exhibition called "Designed for Flight" set for San Diego's Fine Arts Gallery opening Saturday (July 14).

Convair San Diego employees have been invited to attend a special preview of the show Friday (July 13) between the hours of 7 and 10.

Members of the Fine Arts Society of San Diego visited Convair and other aircraft companies to obtain material for the exhibition including actual aircraft parts, photographs of certain structures, components and areas to highlight the show.

The main theme of the show is to show the closeness between fine art and industrial design. And, too, to relate the importance of aircraft production upon the

economy of San Diego and the nation, according to Warren Beach, director of the Fine Arts Gallery.

The exhibition will run concurrent with the Fiesta del Pacifico.

## Skating Club Plans Trip to Paramount

Local skating fans are invited to join the Convair SD Ice Skating Club field trip to Paramount ice arena, southeast of Long Beach, Sunday, July 22.

Transportation will be by private cars leaving Bldg. 19 parking lot at 7 a.m. All interested in obtaining rides or volunteering space are asked to call E. H. Davies, ext. 2484, Plant 1.

The CRA Ice Skating group holds regular skating sessions each Thursday evening at Sonald Ice Skating Studio, 3464 Midway Drive.

## Vast Factory Area Included In New Plant

(Continued from Page 1)

space. This huge building will lie east and slightly to the rear of the engineering and administration buildings.

Among smaller structures are the instrument and computer center, which will be physically joined to the other parts of the engineering laboratory but will have its own equipment for automatically controlling atmospheric conditions; a centrifuge; a vibration test building, and other structures housing various utilities needed by the plant.

Dempsey said that ample conference rooms are planned for engineering staff and similar meetings. At least one of these will be so situated that it may be used for technical society gatherings and large symposiums of an unclassified nature.

"The new Convair-Astronautics facilities are being planned to provide for extensive research in the physical sciences," Dempsey said.

Ultimately Convair-Astronautics will house the laboratories and offices of Convair's new Department of Scientific Research, headed by Dr. Charles L. Critchfield.

George M. Robertson, assistant to Dempsey, is responsible for getting the Convair-Astronautics plant built and equipped. He was chief engineer at Convair Pomona before being transferred to the Atlas program in March of this year.

Until the new plant is ready for partial occupancy next spring and full occupancy by the fall of 1957, work on the Atlas program will continue in present facilities at Convair's San Diego Plant 1, Dempsey said. Several thousand engineers, technicians and production personnel are employed now on the Atlas program. Dempsey has been its director since June 1, 1954.

## 'Robin Hood' Tickets On Sale at Bargain

Reserved tickets at reduced rates will go on sale tomorrow (July 12) for Star-Light Opera's "Robin Hood," which starts July 19.

A block of 200 tickets has been secured by CRA. The tickets normally sell for \$2.50 each but will be offered to Convair SD employees for \$2.

Tickets may be obtained at employee services offices at both plants.

## Survey Shows Wide Community Activity

(Continued from Page 1)

amounts of time to various service groups. Too, most of the corporation officers as well as divisional officers list numerous official affiliations with groups.

The survey was conducted at all Convair plants at the request of General Dynamics Corporation to determine how many employees actively contribute to community welfare.

## Convair Trio Attends Navy Air Exercises

Three Convair SD men were guests of the Navy late last month in the annual Navy Fleet Gunnery exercises held at El Centro, Calif.

E. D. Shannon, F. H. Sharp and C. W. Myers attended.

The exercises pitted the top aerial teams from across the nation, four from the Navy and two from the Marines.

## CAR CLUB TO SEE GHOST TOWN FILMS

Convair SD's Sports Car Club will see travelogue films of Death Valley, Yosemite and several Arizona ghost towns when they hold a general meeting July 18 starting at 7:30 p.m. in the Natural History Museum, Balboa Park.



TAKING SHAPE—Wooden model of Convair's new high speed jet transport (which will be seen for the first time during July 21 "Open House") takes shape under hands of J. L. Flocken and K. P. Busch in Convair SD model shop. Wing span on new model will be four and one-half feet. It will look something like small model in foreground.

## All Convair, Friends, Neighbors Invited by Coggan to Open House

(Continued from Page 1)

tors, a fleet of five city buses will operate between Plants 1 and 2 to carry visitors. They will depart at five minute intervals from the south end of Bldg. 4 at Plant 1 and the south end of Bldg. 1 at Plant 2.

Preparations for the event have been stepped up at Convair SD in the past week. Illustrations group of engineering is preparing a number of special display themes and signs.

Maintenance will erect rope barriers and help lay out the tour route at both plants as well as police them during the day.

Industrial security will turn out in force for special assignments on parking lots and within the plants. Nurses will remain at their posts in first aid stations along the route. Different departments are responsible for their own areas and for providing informed guides and hosts.

At a special display area west

## More Actors Needed In 'California Story'

Fifty men, experience or age is no factor, are urgently needed to complete the cast of "The California Story" to be presented during the Fiesta del Pacifico at San Diego. There will be 14 performances of the pageant beginning July 28.

Convair men interested in turning actors temporarily, are requested to contact Mrs. Ziegler, BE-4-6489 immediately, so costumes may be ordered and to allow time for rehearsals before opening date.

of Bldg. 3 will be located many special attractions including various models of Convair aircraft, a

## Early Enrollments Urged by SD Jaycee

Convair SD employees enrolled in the San Diego Junior College and Vocational School are invited to complete their registration between July 31 and Aug. 15 for a better choice of classes and times.

The student personnel office at 14th and Russ will be open from 9 a.m. until 2:30 p.m. Monday through Friday and 5 p.m. to 9 p.m. Monday through Thursday.

Regular enrollment which starts Aug. 15 will be on a first-come, first-served basis for all courses.

miniature supersonic rain erosion sled and track and a special display by the "Astronautics" organization.

Airplanes scheduled for display include an F-102A, Model 440, C-131D, R4Y, R3Y-2, and the XF-92A.

Free balloons will be given youngsters and color photographs of airplanes presented visitors on arrival at the plants. Free soft drinks will be available in a special area and a 50-voice chorus from the Fiesta del Pacifico will sing at 10 a.m., noon and 2 p.m.

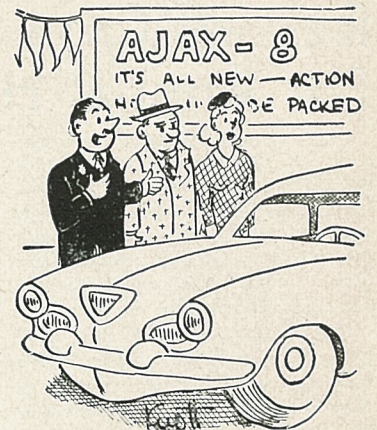
Full page advertisements inviting the public to attend will be carried in local papers July 17 and 18 and radio spot announcements will remind listeners for several days before the event.

## Second Shift Spots For Aviators Open

There's a need for second shift personnel interested in earning their solo pilot license, if that part of the program is to be continued at Convair SD, Commissioner Jim Saftig reports.

Second shifters may fly any time during the day in the program which allows Convair employees to earn their solo tickets at greatly reduced rates. Those interested may contact Danny Zamora at ext. 282, Plant 2, nights or at CY 8-6659 days. Lessons are given at Jim's Air Service on Lindbergh Field. Information on the program is available there.

At present 10 people have soloed, while 80 others are actively engaged in the sessions held after work.



"Our new car is designed especially for shiftless people."

## ★ Convairiety ★

Founded Sept. 1, 1948. Published in four editions (Fort Worth-Daingerfield, San Diego, Pomona, and Antelope Valley-Holloman) by Convair Industrial Relations. General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 58,000. News items and letters to the editor are solicited, but no advertising can be accepted.

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FW Editorial Offices, Col. 71-C, Ext. 5290. Mailing address: Convairiety, Convair, Fort Worth, Texas. Telephone PErshing 8-7311. Staff: Bob Vollmer, news editor; Sally House.

Pomona Editorial Offices, Room K-222, Bldg. 2, ext. 6226, mail zone 3-8. Staff: James Combs Jr., news editor; Dorothy Keller.

## CRA Movie Calendar at SD

Free movies at CRA Clubhouse discontinued until fall.

Academy Theater, 3721 University Ave., Tuesdays, 7 p.m. Bargain rates for Convair employees, families and guests. General admission: adults, 25c; children, 12 years and under, 10c.

Tuesday, July 17: THE RAID, Van Heflin, Richard Boone, Anne Bancroft. Technicolor. BIG COMBO, Cornel Wilde, Richard Conte.

Tuesday, July 24: NO HIGHWAY IN THE SKY, James Stewart, Marlene Dietrich. THREE HOURS TO KILL, Dana Andrews, Donna Reed. Technicolor.





CONETTES FROLIC—Antelope Valley Fairgrounds Clubhouse was "jumping" for Conettes' first open affair, billed as "Hawaiian Holiday Dance." Top center shows Bette Van Proyen, Conettes' president, and Dottie Farris, hostess. Top right: guests entering, with Joyce West, extreme right. Lower left: Jerry Schultz, Mr. and Mrs. Daniel Knight, Steve Byers. Lower center: Mr. and Mrs. J. J. Williams. Lower right: Robert Steed, Gil Suza, Ruth Higgins, Mrs. John Zathan, Mrs. Daniel Knight.

## 40 Kids Signed In Swim Class At Park Pool

Over 270 Convair persons pushed through the turnstile at Courson Park Pool to skyrocket the June 26 attendance at the popular CRA "Swim Night," held Tuesdays, 5:30 to 7:30 p.m.

W. D. "Jerry" Moriarty, swim instructor, reports that more than 40 children are enrolled in the free swim class. Adults also are showing interest in the instruction and the life-saving course.

Swimming class schedule: Children beginners, ages 5 to 12, 5:30 to 6 p.m.; junior and senior intermediates, 6 to 6:30; adult beginners, 6:30 to 7 p.m.; life-saving for juniors and seniors, 7 to 7:30.

Children may be enrolled at any time by contacting Moriarty at the pool.

\* \* \*

## Family Picnic-Swim Planned During July For Courson Pool

A family picnic-swim for all Convair Palmdale-Edwards folk is planned during July in connection with the weekly "Swim Night" at Courson Park Pool, Palmdale. Definite date will be announced soon.

Games and prizes for all ages will provide entertainment at the affair in Courson Park, adjacent to the pool. Picnic benches, barbecues and plenty of lawn make the park an attractive place for community gatherings.

## 20 Sign Up for New Valley Riding Club

More than 20 Convair people have signed up for the proposed Antelope Valley Riding Club.

Membership cards to the CRA riding group will be issued at employee services, Palmdale and Edwards. Special rates will be in effect at the Antelope Valley riding stables which will be used as the club's headquarters.

## REGULAR GUN SHOTS AHEAD FOR VALLEY

Regular gun shoots will be held in the near future for all Antelope Valley pistol, rifle, trap and skeet enthusiasts. Convair employees interested in joining the Gun Club, sponsor of the shoots, are asked to contact Larry Failor at Edwards.

## CRA Sports & Recreation Convairiety

### Side Winders Hold Bowling Lead With Alley Katz Three Games Back

Side Winders still top the Convair-Palmdale Mixed Bowling League at the end of the eighth week with 24 games won, 8 lost. Runner-up team is the Alley Katz with 21-11. Fat Cats stand three games behind with a score of 19-13.

Pin Ups, a game below third spot, stand second in total pins topped, with the Side Winders sweeping the field with 20,422. Alley Katz rolled the high game, 964; Pin Ups second with 948; Side Winders, 941.

T. Federspill stands high women's bowler for the season and the week; L. Buckmaster still keeps his spot with leading men's high series total.

High woman's game for the week was bowled by D. Knox with 184; men's high game was

### CRA Activities

**BOWLING**—Chuck Johnson, George Sharp (Palmdale); Cliff Mulligan, Jake Jacobson (Edwards); Lois Fish (Convair wives). Palmdale Mixed League rolls Fridays, 9 p.m. Edwards group on Wednesdays, 6:30 p.m. Convair wives roll Tuesdays, 2 p.m.

**CONETTES**—Bette Van Proyen, ext. 31, Palmdale. Meets third Thursday of each month at 4431 Sierra Highway, Lancaster. All Convair women employees welcome.

**GOLF**—Tom Gammage (Palmdale); Ray Minutello (Edwards). Tournaments held monthly.

**GUN CLUB**—Jerry Schultz, ext. 74, Palmdale. Plans being formulated to hold regular shoots. Call Larry Failor, Edwards for information.

**ICE SKATING**—Frank Pellizzer, ext. 21, Edwards, or Bernard Roy, ext. 19, Palmdale. Planning for regular skate night each month.

**SOFTBALL**—Harry Rumbaugh, Jim Carton (Palmdale); Dave Limbacher, Ralph Hawkinson (Edwards). Two teams representing CRA entered in County of Los Angeles Men's Softball League, Jane Reynolds Park. One Palmdale team entered in Lancaster A.A.U. league, Wednesdays at Lancaster high school ball park.

**SOLO FLYERS**—Earl Fisher, ext. 20, Palmdale; Bob Stahl, ext. 34, Edwards. Ground school 8 to 10 p.m., first and third Tuesdays in Room 221, A. V. Jr. College, Lancaster. Flights on weekends and after work at club's field at 80th St. East.

**SWIM NIGHT**—W. N. Moriarty (Palmdale). Swim each Tuesday, 5:30 to 7:30 p.m. at Courson Park Pool, Palmdale.

**TENNIS**—Larry Buckmaster (Palmdale). Planning for instructions and regular play.

rolled by R. Kerley, 222.

League play for July 13 at Antelope Valley Bowl, Lancaster, will match Side Winders and Pin Heads; Pin Ups and the Whatsits; Miss Fits against Alley Katz; Fat Cats and the Wing Dings; Radaraiders and Blue Devils.

Convair Edwards bowlers take over the alleys Wednesdays, 6:30 p.m., and Convair wives roll each Tuesday at 2 p.m.

### Earl Fisher Scores In Air 'Bomb Drop'

Earl Fisher, Convair-Palmdale, proved most accurate "bomb-dropper" in the contest held in connection with the annual Porterville Moonlight Flight, sponsored by the town's Chamber of Commerce June 23.

Antelope Valley Solo Flyers joined with over 400 pilots from all parts of the West at the fly-in weekend. Bob Stahl of Edwards facility nabbed the trophies in the "flying skill" contest. Stahl placed third in the "spot landing" division.

Other activities for the weekend included a night flight over Porterville, an exhibit of Navy planes, a barbecue, dance and swimming party.

### Radio Orientation Subject for Flyers

Radio orientation will be the subject of Antelope Valley CRA Solo Flyers at the ground school session July 17, 8 p.m., Antelope Valley Junior College, room 221.

Student-pilot members are urged to attend next week's class, says Bob Stahl, training officer. Radio orientation will be one of the items covered on pre-solo and private pilot license tests. The complete course will help members pass the written portion of the commercial pilots examination.

Ground school classes are held the first and third Tuesdays, 8 to 10 p.m.

## Palmdale Sinks Edwards In County League Clash

Convair Palmdale's softball team deluged Edwards to the tune of 23-3 in a spectacular July 2 clash in the Los Angeles County League tourney to sweep to the lead of both the L. A. and A. A. U.-American Leagues.

Scores were chalked up in every Palmdale inning on a total of 14 hits, 10 walks and four errors. Only one error was marked against the winning team.

Jim Carton was the big stick for the Palmdale nine with two singles and a triple in three trips. Sanders' tight chucking gave up only three hits, and the single error. He now has a 4-0 record to his credit. Livingston is leading hitter, batting a torrid .727. Team batting average stands at an impressive .451.

Final score of the Palmdale vs. NACA game June 28 was 16-2. Nineteen batters stepped to the plate in the first inning to bring in 14 runs on six hits, eight walks and two errors. Two more tallies were added in the third.

Leading hitters were Jump and Arce with two hits each in three times at bat. Conrad knocked a home run in the first with two men aboard while Ratley, winning pitcher, gave up only four hits. Game was called because of time at the end of 3½ innings.

Convair Edwards walloped the North American team by 14 to 5 in the June 20 L. A. League tilt.

## Antelope Valley Gets Housing Desk

A new housing and rider-driver information service for Convair employees in Antelope Valley is available at the employee services office, Palmdale.

The office will maintain listings of available homes, apartments, motels, and rooms as a convenience to newcomers. Complete information also will be kept on Antelope Valley house sales, including tract units.

A rider-driver file has been set up as an added aid to new employees, both first and second shifts.

Palmdale-Edwards employees are urged to contact Jerry Schultz, employee services, ext. 74, Palmdale, to list their housing or transportation needs.

at Jane Reynolds Park and tied a tense tiff with the sharp Republic gang 9-9 on June 27. A play-off game will be scheduled at the end of the season if necessary.

\* \* \*

Palmdale leads the L.A. County Softball League by 4-0 and the A.A.U. League, 2-0. A total of 92 runs have been scored by Convair in the six games to the opponents' 23.

Coming games match Convair Edwards against General Telephone, 8:15 p.m., tonight (July 11) in the L.A. League at Jane Reynolds Park; Convair Palmdale vs. North American July 16 at 6:30 p.m.

In the A.A.U. League played at the Lancaster high school ball park, Palmdale will take on Mojave American Legion July 17, 7:30 p.m.

### BOX SCORE

	AB	H	BA
Arce	14	7	.500
Carton	10	3	.300
Conrad	24	9	.375
Ordech	23	11	.478
Jump	17	7	.412
Livingston	11	8	.727
Daniel	21	9	.474
Lawyer	9	3	.333
Willey	16	7	.438
Sanders	11	7	.636
Hoegh	12	2	.167
Cochrane	5	2	.400
Wilkerson	2	1	.500
Ratley	7	3	.429
Walsworth	1	0	.000
Totals	173	79	.451

## Log Entries

### Service Emblems

Service emblems due during the period July 1 through July 15:

#### PALMDALE

Fifteen-year: Dept. 321-1, G. W. Privett.

#### DEPT. 747

Fifteen-year: Dept. 747-1, G. S. Bruscia.

### Promotions

Promotions and transfers to or within supervision effective June 25:

#### PALMDALE

Dept. 321, Field Operations: To asst. foreman, D. E. Hoegh, J. E. Kay, H. Lee, B. G. Lewis, O. C. Scott, W. E. Stewart, R. L. Wellington.

Dept. 324, Operations Services: To M/C asst. supervisor, M. G. Jackson. To asst. foreman, M. J. Walsworth.

Dept. 328, Inspection: To inspection asst. supervisor, D. C. Johannesmeyer, J. E. Moore.

### Awards

Employee Suggestion awards totaled \$132.50 for the weeks ending June 7 and June 14:

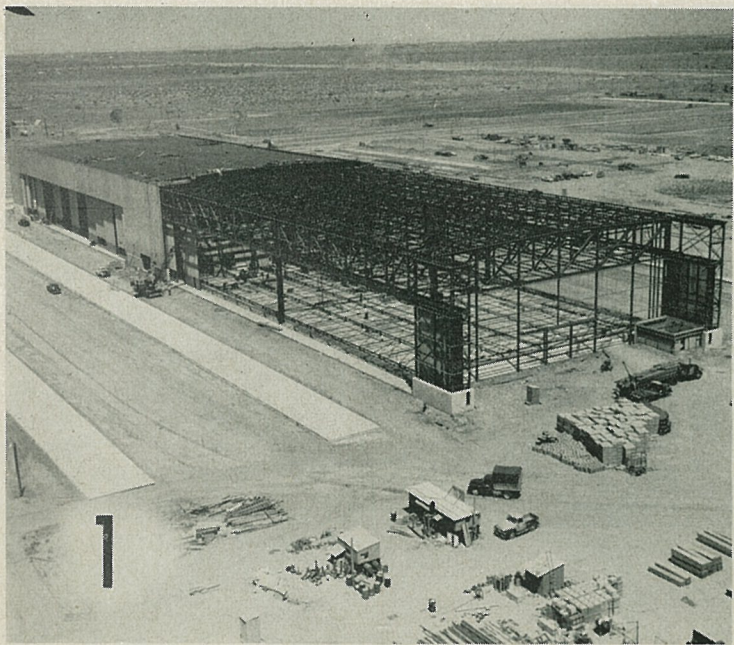
#### EDWARDS AFB

Dept. 303, Model 8 Flight Test Operations: J. T. Freitas, \$20; J. W. O'Toole, \$10.

#### PALMDALE

Dept. 321, Field Operations: F. N. Gagnon, \$10; K. M. Hemmingson, \$15; R. L. Jackson, \$31.50; J. W. Johnson, \$26; B. L. Marshall and I. R. Murray, joint award, \$10 each.

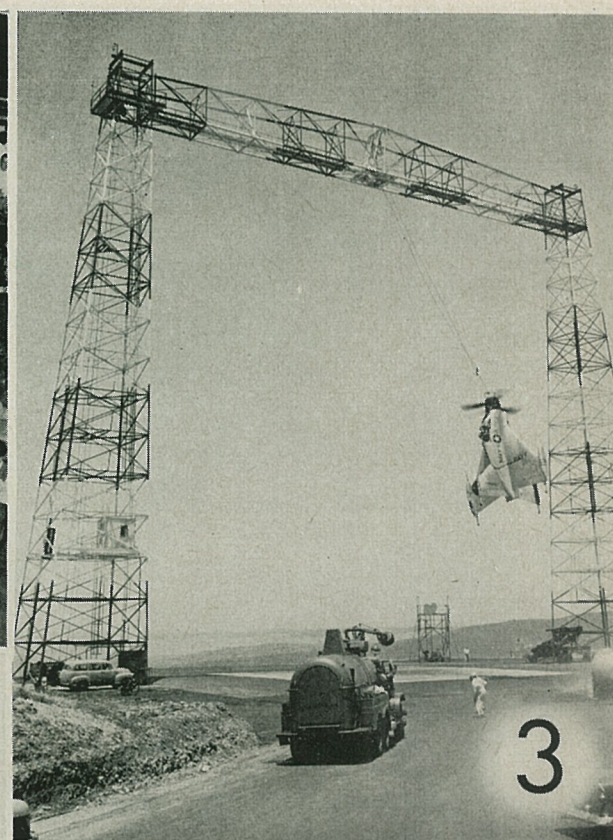




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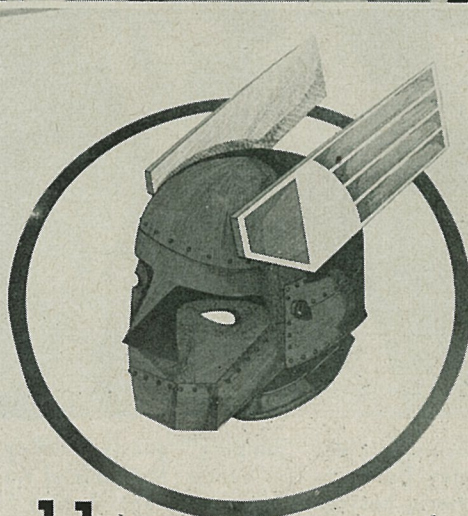
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(1) Permanent facility for F-102 activities at Palmdale, Calif., is taking shape steadily. Photo was taken recently from helicopter.

(2) Convair dancers from Pomona, San Diego and Fort Worth were prominent last month during national square dancing convention at San Diego. Picture shows dancers on flight deck of USS Kearsarge.

(3) XFV-1 (Pogo) continues its flight testing at Brown Naval Auxiliary Air Station near San Diego. Unusually good shot shows plane flying in tethering rig.

(4) Warren Beach, director of Fine Arts Gallery at San Diego, poses with Convair aircraft part which will be one of a number in special "Design for Flight" exhibition at gallery. Exhibit will show striking similarity between modern art and industrial design.

(5) Maj. Gen. R. P. Swofford Jr., right, director of Air Force Research and Development, was recent visitor at Fort Worth to inspect B-58 and nuclear projects. He is shown with Lt. Col. L. J. Hutton, left, AF plant representative, and B. G. Reed, FW assistant division manager.

(6) Retiring President Bob Elo, left, of Convair San Diego Management Club, presents gavel to incoming President J. I. Lockett during installation ceremonies at San Diego.

(7) Talking it over with Harold Bodley of FW engineering personnel are these college instructors and professors, typical of nearly a score who are spending summer at Convair Fort Worth. All are in engineering.

(8) Convair FW people recently completed a two-week training program at Bell Aircraft in New York.

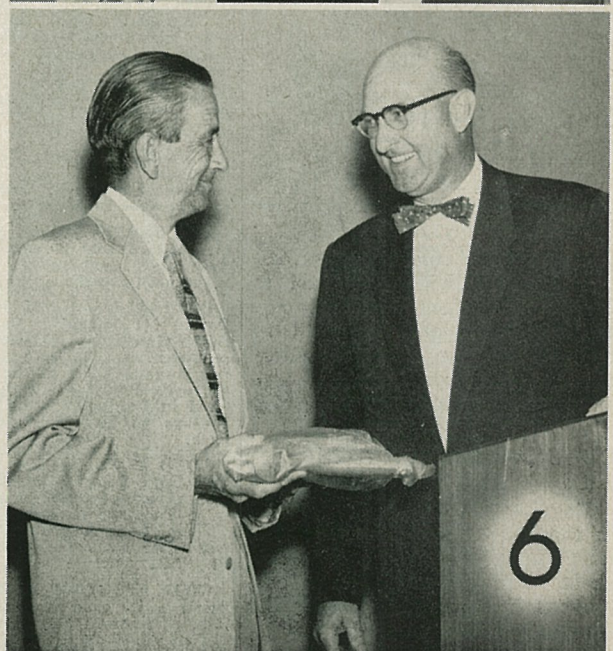
(9) This unusual snapshot was made by a passing motorist when Mr. and Mrs. J. Kuswara of FW Dept. 24 had a visitor while vacationing in Smokey Mountains.

(10) What the well dressed man wears on the desert these days is modeled by Les Wonch, helicopter pilot stationed at Palmdale.

(11) This is insignia of 327th Fighter Interceptor Squadron, stationed at George Air Force Base near Victorville, Calif., first AF unit to receive F-102As. Insignia is placed on each new airplane as it arrives for service.



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Published every  
other Wednesday.



Convair Division of  
General Dynamics Corporation.

# Convairiety

Vol. II, No. 19

Wednesday, September 17, 1958

Antelope Valley  
and Holloman  
EDITION

News Offices:  
Edwards ext. 22401  
ERB ext. 8-22401  
Palmdale ext. 337  
Holloman ext. 20

SAN DIEGO, POMONA AND ANTELOPE VALLEY, CALIFORNIA

DAINGERFIELD AND FORT WORTH, TEXAS

## First Jet 880 Airplane Gets Main Landing Gear

First 880 jet transport took a giant stride down the Convair SD assembly line this week when it was moved out of primary assembly second station to the location of the first station in major mate at the north end of Bldg. 2.

Because of ample space on the assembly line before the 880 program swings into full production, routine work on the first planes is being done in a simplified moving system, explained J. E. Merk, primary assembly general foreman.

Physical locations of the last three stations in primary assembly were ignored as plane No.



**TWA REPS**—Permanent TWA representatives now located at Convair SD represent a total of 90 years' aircraft experience. Looking over 880 forward fuselage are: James A. Gordon, assistant manager; J. William Bew, TWA manager of engineering group at Convair; Fred C. Entekin, Ray E. Krout, and George F. Moore, all specifications engineers.

## Two 15-Year-Old Vultee Trainers Purchased by Palmdale-SD CRA

A call for those who know the "lost art" of building airplanes with "fabric and dope" was sounded in Antelope Valley this week.

Reason is that volunteers are needed to help rebuild two World War II trainers originally manufactured by Vultee Aircraft at Downey, Calif. When put back in shape, they will be located permanently, one at Antelope Valley CRA Clubhouse and one at San Diego Division's Pecan Park, for the pleasure of Convair children—and probably many adults as well.

"For some time CRA has been looking out for airplanes that could be rehabilitated and made into permanent displays. They are a big thrill for youngsters to examine closely and to sit in the cockpits and pretend they're actually flying," Jerry Schultz, employee services supervisor at

## Astro Style Show Deadline Is Near

Time is running short for purchase of tickets to the first Astronautics CRA event planned for women, a "Missile...aneous Fashion" show set for Oct. 2.

Due to the limited seating capacity of the reception center at the new site, only 450 tickets are being offered. They are available at Astro employee services on a first-come, first-served basis.

1 was moved down the length of the building.

Work scheduled for the completion of primary assembly will be accomplished in the present location before the plane actually goes into major mate about the first week in October.

At that time the forward and aft fuselages will be mated with the wing and center fuselage section by Dept. 148 under supervision of Carl Uhl, general foreman.

First and second station work program of primary assembly was done without physically moving the first plane. Before being relocated in the present spot, outboard trailing and leading edges, spoilers, and ducting for the cabin air conditioning were installed.

Within the next two weeks flaps, ailerons, and the units for the air conditioning system will be installed in the underwing canoe section; anti-icing connections will be hooked up in the leading edges; hat racks, lights, and partitions will be placed in the center fuselage section. The main landing gear for the first plane, due to arrive at Convair SD this week, will be installed.

Last item on primary assembly's program will be installation of the jet pod and pylon unit and engine, now being assembled by Rohr Aircraft Corp. (First pod unit delivered to Convair will be used for static tests at the seaplane ramp. It was temporarily installed on plane No. 3 for demonstrations during Convair SD's Open House.)

Installation of hydraulic plumbing tubing and electrical harnesses is continuing throughout all of the stages of primary assembly work.

The other two 880 planes now following No. 1 down the line are stepping into vacated spots—No. 2 is now in the first station of primary assembly and wings of No. 3 are being mated to the overwing barrel and underwing canoe and aft wing sections.

Palmdale, said. "I happened to see several old engineless Model BT-15s (built in 1943) stored on a lot at Palmdale Boulevard and 6th Street East. They were owned by L. C. McGillivray of Lancaster. The upshot was that CRA bought two of them."

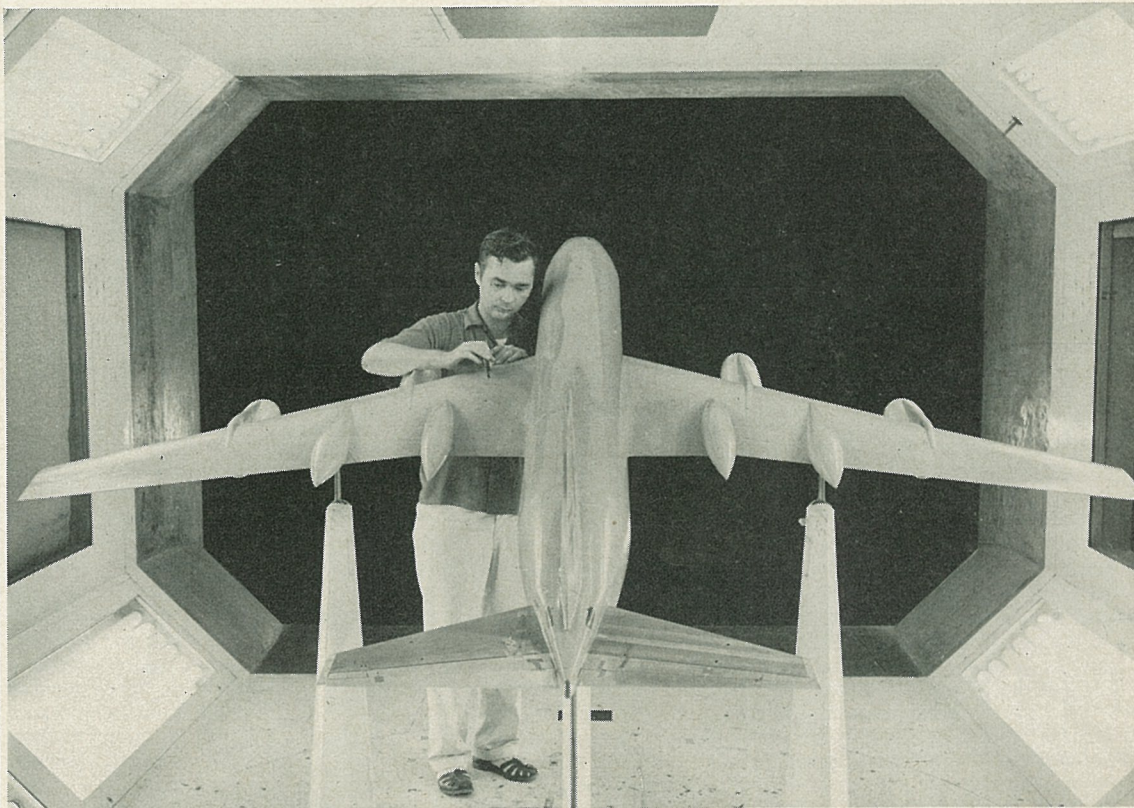
The airplanes were moved this week to a work area near the Antelope Valley CRA Clubhouse. San Diego Division CRA is shouldering a good part of the expense, in view of Antelope Valley's contribution in volunteer work.

"We have considerable work to do to get them in shape," Schultz continued. "We will have to purchase cowlings and tires somewhere, recover some of the tail surfaces and generally put them back in condition. We will need badly the advice and assistance of any 'old-timers' who can give us the benefit of their experience."

Volunteers should get in touch with employee services at Palmdale or industrial relations offices at Edwards or ERB.

J. K. Field, chief of employee services at SD Division, said that when SD's airplane is trucked to San Diego a permanent site at Pecan Park, probably on the hillside, will be selected to give a sensation of "height and flight."

One of the planes was built in the same month (March, 1943) that Vultee merged with Consolidated Aircraft to form Consolidated Vultee. The other was built in July of that year.



"SPEED CAPSULES"—Wind tunnel model of Convair 600 being prepared for tests by A. A. "Scotty" McFarlane (SD Dept. 61) shows unique anti-shock bodies on wing which will permit jet transport to travel shade short of supersonic.

## Convair SD Goes All Out For Open House Visitors

For photos, see page 3.

Largest crowd ever to visit Convair San Diego braved the unseasonable heat wave to stream through the gates at the Sept. 6 Fiesta Open House, 55,829 strong.

Early guests were lined up at Plant 1 and Plant 2 overpass entrance points well before opening time of 9 a.m. to beat the rush. B. F. Coggan, San Diego Division manager and Convair vice president, welcomed guests as they entered.

The air was gay with the 20,000 brightly-colored balloons passed out to the younger set and a huge thirst was quenched with the 5,000 gallons of free punch provided during the day by Davidson Bros., vending machine operators.

Hundreds of displays at Plant 1, Plant 2, and the seaplane ramp reflected the many hours of time and effort spent by Convair SD people in their preparation for the first open house in two years.

In the outside exhibit area between Bldgs. 3 and 4 at Plant 1 crowds were attracted by the full-scale prototype of the Terrier missile from Convair Pomona, and such attention-drawing displays as the dummy pilot swinging from a derrick above his global survival kit; the "talking" fire-fighting dummy in industrial security's exhibit; loud explosions of the hydrodynamic forming demonstration; boat building exhibition; amateur radio contacts for visitors, and many other outstanding booths.

Bldgs. 1, 2, and 3 in Plant 1 gave visitors a good look at the first Convair 880 jet transports in the making with departmental displays providing a behind-the-scenes insight. An eye-catcher in Bldg. 3 was "Miss 880," life-sized Spanish senorita centering the electric bench display, decked out in materials used in the making of electrical harnesses, vinyl,

## California's Clocks To Go Back Sept. 28

Convair's California divisions will return to standard time the last Sunday in the month, Sept. 28.

All clocks will be turned back one hour at that time to regain the hour "lost" when the state went on daylight saving time in April.

washers, terminals, wire, and spun glass tubing.

Plant 2 departments went all out to provide a graphic display of all functions connected with the production of the F-106 jet interceptor. The public saw the latest manufacturing machines in actual operation—tooling ma-

(Continued on Page 2)



SPOOKS?—Lt. D. D. Dimmitt, Convair SD fireman, holds a bewildered young visitor being greeted vocally by fire-fighting "dummy."

## New Parts Information Procedure Under Test

A completely new method of providing provisioning parts information for AF contracts will be put into effect if the new tab card system now under development at Convair SD is adopted, according to J. J. Alkazin, manager of customer service.

Convair SD and the San Antonio Air Materiel Area (SAA-MA) of the Air Force conducted a service test of a new Integrated Data Processing system in San Diego last week as a part of the current F-106 Provisioning Conference.

The test was run with IBM cards containing data on a limited

## Special Pods Designed For High Speed 600

Details of a revolutionary aerodynamic design that will permit the jet 600 transport to fly efficiently within a shade of the speed of sound were revealed this month.

The design involves four tapered projections on the wing trailing edge, known as "aerodynamic anti-shock bodies."

Convair is the first aircraft company to use the principle to increase the speed of transport planes beyond Mach .90.

The anti-shock bodies, each in the shape of a pod pointed at both ends, were developed at Convair SD as a means to break the shock waves built up during the giant jet transport's maximum cruising speed of 635 miles an hour.

During speeds up to Mach. 91, just under the speed of sound, air flows across the wings actually faster than the speed of sound. The resulting shock waves result in a drag on the aircraft.

The unique bodies, however, two on each half wing, eliminate the drag by breaking up the waves or delaying their formation.

Besides their original purpose, the pods will also be put to use as extra fuel tanks.

Each of the two outboard bodies, which are about 24-ft. long and two feet across at the widest point, will hold 320-gal. of fuel while the two smaller inboard

(Continued on Page 2)





UNDER STUDY—Center: proposed new system for ordering aircraft spare parts is studied, prior to AF/Convair Service Test Conference at San Diego, by N. R. Strait, chief, Weapons System Support Center, F-102, F-106, SAAMA; W. High, F-106 program monitor, SAAMA; G. Gayman, weapons system project officer, AMC; G. Rodgers, F-106 weapons system monitor, SAAMA. Left: B. H. Michael, parts catalog group supervisor, and H. R. Kennedy, chief, service publications, call attention to conference exhibits. Right: Bill Minando, SD Dept. 95, demonstrates microline viewer used to enlarge micro-film transparencies of engineering drawings.

## Renovated Quarters Occupied By 350 Engineering Personnel

Last big move for 350 engineering people into their new permanent quarters was made last weekend with the completion of the second renovated area in the Bldgs. 5 and 51 program at Convair SD.

Flight test and experimental planning personnel are now "at home" in the modernized section, rear northwest half of Bldg. 5's second floor. First completed area, rear section of the third floor, was occupied the latter part of August.

Space thus cleared by the latest move from the front half of the second floor will allow contractors to begin work on Zone 4 which is due for completion Nov. 7.

According to Convair industrial

engineering department, every effort is being made to expedite the installation of air conditioning units in the completed zones.

Work in Zones 8 and 9 of Bldg. 51 is progressing according to schedule with completion of Zone 8 set for Oct. 31 and Zone 9, the first week in November.

Widening of the Bldg. 5 main stairway leading from the overpass entrance is due to start next week. The present stairway will continue in use until the new section is completed. It will then be reworked while traffic is diverted to the new stairway.

Construction work on the steel framing along the east wall of Bldg. 5 was begun last week in the remodeling of the building's exterior.



INSPECTION—R. L. Bayless, SD chief engineer; H. A. Smith, chief plant engineer; D. B. Acker, manager of industrial engineering, point out features in newly-renovated design and drafting area of engineering (third floor, SD, Bldg. 5) to B. F. Coggan, Convair SD Division manager.

## Many Convair Men Included On U of C Extension Faculty

Two score Convair SD and Astro experts will be included as instructors on the faculty of the University of California Extension's fall program which opens in San Diego on Sept. 22. They are:

Business Administration—T. J. Dudley, SD systems and procedures; Robert Penn, SD senior research engineer; D. D. White, Astro executive development administrator.

Engineering—Edwin G. Aiken, SD human factors engineering group; Jack J. Block, Astro training specialist; Marvin Blum, Astro design specialist; Joseph G. Cady, SD senior aerodynamics engineer; M. C. Copold, SD numerical control coordinator; Glen M. Dodd, SD senior electronic engineer; Henry G. Frankland, SD design engineer; James J. Herman, Astro senior electronics engineer; John E. Leib, Astro senior dynamics engineer; H. F. Poppendiek, SD design specialist; J. J. Sheppard Jr., staff scientist, Convair SD scientific research lab; John O. Tearnen, Astro senior thermodynamics engineer; Richard S. Wentink, Astro assistant group engineer; Ching Huan Yang, senior dynamics engineer,

SD scientific research lab; Hideo Yoshihara, SD theoretical aerodynamics.

Mathematics—Harry W. Buckner, SD assistant computing group engineer; E. Ward Cheney Jr., Astro senior research engineer; Earl W. Erickson, SD aerodynamics engineer; Maxwell Frank, SD service engineer; Del L. Glidden, SD associate engineer; Allen A. Goldstein, SD design specialist; James F. Haskins, Astro senior research engineer; Lester Kraus, SD design specialist; Leo Lapidus, SD senior research engineer; Jack M. Maughmer, Astro senior research engineer; James P. Mitchell, SD research engineer; K. Leon Montgomery, Astro research engineer; Theodore Rubin, SD senior research engineer; P. Jerome Short, Astro mathematician; Charles J. Swift, SD design specialist.

Physics—Gustav D. Magnuson, SD senior research engineer.

Public Health—Dr. Gilbert M. Clarke, SD plant physician.

Speech—Stanley C. Oates, Astro management development instructor.

Graduate Engineering—Walter S. Bradfield, senior staff scientist, SD scientific research lab; Dodd; Leib; David B. Medved, SD senior research engineer; Poppendiek, Ching Huan Yang, Hideo Yoshihara.

Graduate Mathematics—Cheney, Goldstein, Kraus, Rubin, Swift.

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Founded Sept. 1, 1948. Published in six editions (Fort Worth-Daingerfield, San Diego, Astronautics, Pomona, Antelope Valley-Holloman and the Mail) by Convair Industrial Relations. General Offices, San Diego, Calif., Logan Jenkins, editor-in-chief.

Approximate current total circulation, over 65,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, Building 32, Plant 1, ext. 1071. Staff: Grayce Fath, Helen Pemberton, Fred Bettinger.

Astronautics Editorial Offices, Bldg. 2, new plant, ext. 1154. Staff: Bryan Weickersheimer, news editor.

FW Editorial Offices, Col. 69C, mezz., ext. 2961. Mailing address: Convairiety, Convair, Fort Worth, Texas. Telephone PErsching 8-7311. Staff: Bob Vollmer, news editor; Bobbie Sue Marr, Horace A. Baker Jr.

Pomona Editorial Offices, Room K-222, Bldg. 2, ext. 6226, mail zone 3-8. Staff: James Combs Jr., news editor; Dorothy Keller.

Antelope Valley Editorial Offices, Room 31, Bldg. 301B, Palmdale, ext. 337. Staff: Betty Lou Nash.

## McCabe to Manage New Base Activation Efforts at Astro

Creation of a new product support base activation department (Dept. 350) for Convair Astronautics has been announced by E. A. Reynolds, manager of product support.

Heading the new function as base activation manager is C. F. McCabe, veteran Convair engineering and production supervisor. McCabe transfers to Astro from Convair San Diego.

Dept. 350 will be responsible for Convair's efforts in activation of all Air Force operational bases for the Atlas ICBM and future products. Excluded will be Cooke Air Force Base, California. McCabe will assume duties connected with building and managing the organization, Reynolds said.

McCabe has been connected with the aircraft industry for 28 years. He is a native of Magdalena, N.M. and studied engineering at the University of Washington.

During World War II McCabe was project engineer for the XPB4Y-2 flying boat. He has held numerous Convair San Diego engineering titles, including chief electronics engineer and assistant chief engineer.

## New Asst. Treasurer Named at San Diego

Allen G. Rothlisberg has been appointed to the position of assistant treasurer—taxes in Convair's General Offices.

He succeeds J. C. McDevitt who left Convair to go into private law practice. Rothlisberg reports to G. T. Bovee, treasurer.

Prior to assuming his new position at Convair, Rothlisberg was treasurer of The Babb Co. in Phoenix, Ariz.

A graduate of Columbia University, he is not new to Convair. Between 1943 and '46 he was employed by Consolidated Vultee Aircraft Co. in Allentown, Pa., as division controller.

## Special Pods Mark Wing of Speedy 600

(Continued from Page 1)

bodies, 21½-ft. long, will each contain 300-gal.

Twenty-five of the Convair 600s have been ordered by American Air Lines with an option for an additional 25. They will seat from 96 to 118 passengers depending upon interior configuration and will be able to cross the continent in about 4½ hours on regularly scheduled service.

First delivery date is now scheduled for June, 1961.

## New Parts Information Procedure Under Test

(Continued from Page 1)

cards containing all provisioning parts information. SAAMA headquarters would, in turn, supply duplicate files to affected AF agencies.

The new stream-lined communications method which has been under negotiation between Convair and SAAMA for several months would, according to R. W. Shaffer, special assignments supervisor, greatly facilitate the ordering of spares and ground support equipment in the F-106 aircraft program.

"The improved mechanical method of communication would make possible the forwarding of up-dated information within hours instead of the present time lapse of at least 30 days required for revision of the printed documents, speeding up delivery of spare parts, reducing mailing, record file maintenance, and handling costs, and eliminating the lengthy provisioning conferences necessary under present procedures."

More than 250,000 parts for the Convair-built jet interceptors must be listed and identified in the provisioning documents.

If the new data processing method is put into use, future plans call for the use of "transceivers" to transmit facsimiles of IBM data cards between Convair and the AF, further shortening communication lines. The system is designed for conversion of all tab records to magnetic tape transmission as electro data processing becomes practicable.

Approximately 90 AF repre-

sentatives will be in San Diego between now and the middle of November during the current Provisioning Conference.

In addition to SAAMA, AMC, and ADC, AF representatives will be here from Ogden, Utah; Oklahoma City; Middletown, Pa.; Gentile AF Depot, Dayton, Ohio; Sacramento; Warner-Robbins AMA, Ga.; Mobile, Ala.; Rome AF Depot, N.Y.; and the Air Research Development Center.



Pat Kohlhauff of parts catalog group holds files of IBM provisioning parts cards.

## Course in Basic Manufacturing Methods Graduates 40, Enrolls 153 More Students

A total of 153 Convair SD and Astro people are entered in the basic manufacturing methods course which started this week at Convair sites.

Accredited by San Diego Junior College, the two-semester course is taught by R. W. Hardy (Dept. 4-0), SD material services assistant supervisor. Classes are held weekly at Plant 1, Rose Canyon, and the new Astro plant during off-work hours.

The course, third of a series conducted at Convair, is designed to familiarize personnel with the different methods and processes employed in the manufacture of airframe components. It deals

with raw materials, structures, unusual methods of manufacture such as chemical milling, Scotch-weld bonding, as well as orthodox machine shop, sheet metal, and safety procedures.

About 90 vendors provide films, visual aids, and brochures.

Twenty Convair students were graduated from the summer course just concluded. So far, 40 have completed the course.

Training departments at SD and Astronautics are coordinating class arrangements.



GRADUATE—Only girl student in manufacturing methods course, Jo Barnhart, material analyst, receives certificate from B. P. Gibbons, manager of material.





SD ON DISPLAY—More than 55,000 visited Convair SD Open House Sept. 6. Photos give bird's-eye view of Plant 1, Plant 2, seaplane areas open to public; (1) CRA square dancers and Choralaire entertainers; (2) 880 wooden mockup; (3) Plant 1 outside display of ejected pilot dummy; (4) supersonic ejection seat at ramp; (5) Art Linkletter show in Bldg. 69 (Sept. 5); (6) "Miss 880," centering electric bench display at Plant 1, Bldg. 3; (7) Division Manager B. F. Coggan welcomes guests; (8) F-106 on line at Plant 2; (9) 880 metal mockup display area, Plant 1;

(10) Plant 2 special projects' "sputnik"; (11) first 880 jet pod unit attached to Plane No. 3 for demonstration; (12) under-wing view of giant B-36. Spanish senorita's ensemble was made of materials used in 880 electrical harnesses (Dept. 116), vinyl dress, washer sequins, jewelry of terminals. Standing in front of first 880 power plant assembled at Rohr and delivered in time for SD Open House is J. E. Merk, 880 primary assembly general foreman, with Rohr Aircraft Corp. representatives.

## F-102s Commonplace in Texas Skies As AF Pilots Fly Acceptance Hops

If there appears to be an unusual amount of activity on the Convair Fort Worth side of the runway these days, blame it on good flying weather. Besides Convair's B-58 flight test program, numerous other flights are being made in checks of San Diego-built F-102s and TF-102s—a big share of them by Air Force pilots.

Capt. C. R. Keogh, chief of Air Force flight operations at the plant, said pilots in the Air Force office account for about 30 of the F-102 flights each month. Add to this about 30 flights in "target" planes, and you have a lot of activity around the AF operations office. "Our job is to 'buy' the planes," Keogh said. "We fly them un-

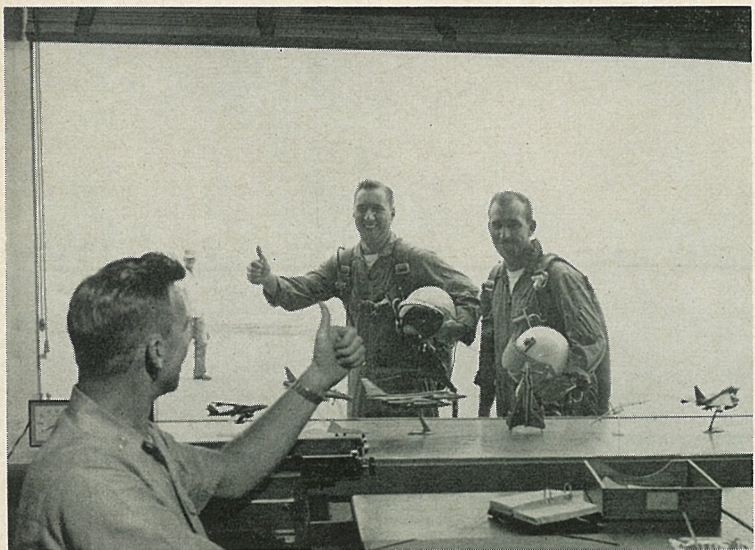
til they are combat-ready for delivery to a tactical outfit." Actually, Keogh explained, AF pilots at the plant average 4½ to 5 flights in each airplane. Flights by Convair pilots average an additional 6½ to 7 flights in each airplane. The planes are those which undergo modernization at Convair Fort Worth.

"We work closely with Convair pilots in an effort to iron out all squawks," Keogh said. "We check out all systems—engine operation, radar, instruments, and so forth. "Target planes are used to check out radar and gunnery, although no actual shots are exchanged. The plane being tested simply sights on the other, and its accuracy is recorded."

The F-102 test area is southwest of Fort Worth. Normally flights are made every day when weather is favorable.

Four pilots are assigned to the AF acceptance task. Number of pilots required, however, fluctuates with the number of planes involved.

The same AF operations office in the south end of the hangar building and the same system of "buying" airplanes was used in B-36 days, and again will be used in the B-58 program.



GOOD FLIGHT—Thumbs up indicates "we have bought a plane" as Capt. R. C. Van Hellen and J. W. Brown walk to AF flight office from flight line. Capt. C. R. Keogh acknowledges good flight.



ROLLING HOME—Convair F-102 trails parachute brake as it rolls in after acceptance check. San Diego-built planes are modified on line at Convair Fort Worth.

## National Aeronautic Gathering Attracts Convair Delegation

Twenty-seven Convair representatives have taken part in the planning or will be active participants in the National Aeronautic Meeting and Manufacturing Forum to be held at the Ambassador Hotel in Los Angeles Sept. 29-Oct. 4.

Over 3,000 experts in the aircraft and missile fields from all parts of the country are expected to attend the forum sponsored by the Society of Automotive Engineers, Inc.

During the Manufacturing Forum (to be held Sept. 29 and 30) 12 informal clinics will be conducted on such topics as fabricating high-temperature sheet material, quality control, procurement, ground support equipment for missiles, sandwich construction, electrical discharge machining, chemical milling, and manufacturing of nuclear power-plant components.

Formal papers will be presented during the Aeronautic meetings (Oct. 1-3) on missiles and their systems, space vehicles, jet transports, VTOL craft, noise suppressors and thrust reversers, shock and vibration protection, turbine fuel systems, ejection seats and escape capsules, nuclear propulsion, and constant-speed drives for generators.

Convair SD delegates include A. W.

Morgan, J. H. Famme, F. H. Sharp, A. M. Small, A. E. Hill, N. L. Smith, C. S. Brandt, W. B. Harwell, W. E. Woodson, Edwin Aiken, H. Nakamura, J. F. Brady, M. C. Copold, G. A. Lemke, J. B. Hurt, Convair Astronautics: Ray Nelson, W. W. Withee, C. S. Ames, J. R. Dempsey, W. T. McCarthy; Convair Pomona, C. P. Perrine Jr., F. P. Price; Convair Fort Worth: M. L. Hicks, W. S. Hay, C. E. Porcher, F. J. Thebiay, William Bond.

## Whitlock, Woodson To Lecture at UCLA

Two Convair men will take part in the fourth annual Symposium on Aviation Medicine to be held Oct. 22-24 at Santa Monica, Calif.

Dr. C. M. Whitlock of Astronautics space medicine and human factors and W. E. Woodson, SD human factors engineering, will give lectures during the three-day course sponsored by the UCLA School of Medicine.

Whitlock's paper will deal with "Omni-environmental Testing as Applied to Space Flight," while Woodson will speak on "High Altitude Vision and Lighting Problems and Delethalization of Seat Design."

## Great Grandfather At 57! A Record?

Roger Stilwagen, Convair SD engineer, puts in his claim as one of the youngest great-grandfathers at Convair.

Stilwagen, 57, is claiming the title after the birth Sept. 1 of a daughter to his 18½-year-old granddaughter, Sherry Jean Dickens.



"Are you sure that the matches are well hidden?"

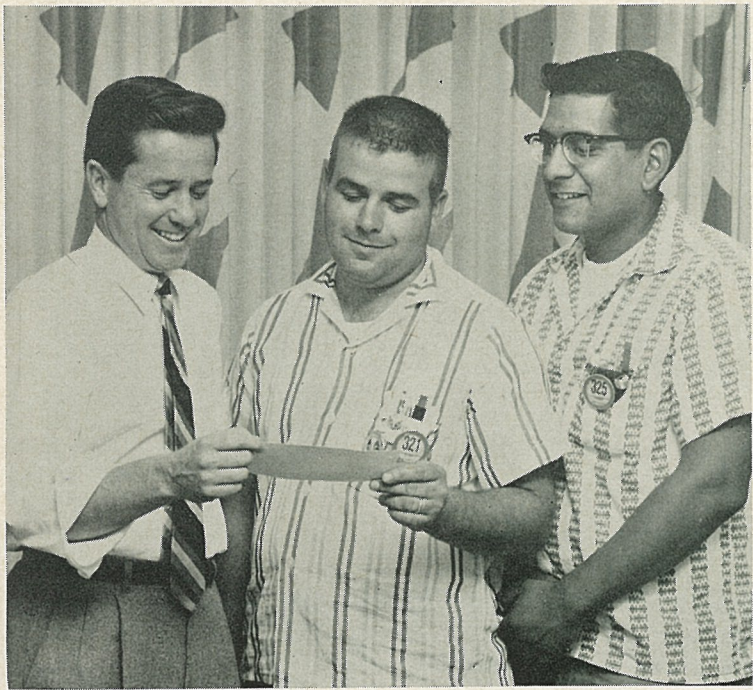
## Aviation Week Ad Features FW Idea

A suggestion submitted by Helen Carter of Convair Fort Worth's materials and processes group of engineering is featured in a full-page ad in the Aug. 25 issue of "Aviation Week."

Mrs. Carter's suggestion, which won her a \$50 award, was to replace one and two-lug floating nuts with plate nuts having removable thread elements.

Nutt-Shel of Santa Ana, Calif., manufacturer of fasteners for airborne weapon systems, sponsored the advertisement.





**AID CANCER DRIVE**—Con-Trib check for \$800 is donated to William Wright (left), chairman of AV branch of American Cancer Society, by Antelope Valley Advisory Committee members, W. J. Cook (Dept. 321-1) and A. A. Perez (Dept. 325-1). Donation helped make up fund drive's deficit.

## Square Dancers Elect Officers

Jay and Jerrie Spolar of Palmdale Dept. 321 are the newly-elected presidents of Antelope Valley CRA-sponsored square dance club, the Joshua Jumpers. Serving with them are Mac and Bernice McDonald (Dept. 321), vice presidents; Joe and Grace Donahue (Dept. 321), treasurers; Ted and Phyllis Blair (Dept. 328), secretaries; and June Richard (Air Force) and George Holcomb, publicity.

Coming events planned include a "graduation" party in October for the current intermediate class, start of a second beginners' course on Nov. 2, and regular dances at CRA Clubhouse the second Saturday of each month beginning Nov. 8. Club members played an active part in the recent AV Fair parade, riding on a horse-drawn wagon and flat-bed decorated truck, followed by teen-agers dancing along the parade route. All valley clubs joined in evening dances Sept. 4 and 5.

**R. B. MERWIN ATTENDS PASADENA CONFERENCE**  
R. B. Merwin, chief of industrial relations, Convair Palmdale, is attending a conference on management techniques and controls this week in Pasadena. The conference, which concludes Friday (Sept. 19), is being conducted by the Management Development Center of California Institute of Technology.

## Fashion Show Plans Under Way by Wives

Fall fashions will be modeled by club members at Antelope Valley Convair Wives' first luncheon meeting of the new club year. Jean Green is in charge of arrangements for the luncheon and style show which will be held at 1 p.m. Oct. 2 at Antelope Valley Country Club. Modeling fashions from Crowell's will be Convair Wives, Jerri Jorgensen, Ann Hurlbet, Marian Kurtzman, Lois Roberts, Virginia Baird, Shirley Russell, and Aleta Stevens.

## Holloman Bowlers Form Mixed League

Twenty-four Convair couples at Holloman AFB will bowl in the Convair Mixed League due to go into action at Canyon Lanes in Alamogordo, N. M. Officers of the league are Lee Stouse, president; A. D. Mahaney, vice president; W. E. Prior, secretary-treasurer; and John Gressinger, sergeant at arms.

## CRA Offers Discount On Christmas Cards

Personalized Christmas cards at a 15 per cent discount will be offered this year by CRA at Palmdale, beginning next week. Every Monday and Tuesday until Nov. 25 sample cards will be on display in the Palmdale cafeteria 11:30 a.m. to 12:30 and 3 p.m. to 4. Cash must accompany any order.

## First Conference Held on F-106B

Convair Palmdale last week hosted approximately 150 Air Force and civilian personnel at a Contractor Demonstration Inspection—Contractor Technical Compliance Inspection program. While this is the second CDI—CTCI program conducted at Palmdale, it is the first to center on the F-106B, the two-place version of the Delta Dart. The first program last June revolved around the F-106A. As in the previous program, closed circuit television was used to demonstrate the operations of the jet interceptor for the guests from SAAMA, Norton, McClellan and Edwards Air Force bases, Wright Air Development Center, Hughes, Fort Worth and San Diego Divisions of Convair, and various sub-contracting firms. Jim Morris of Convair SD customer service presented the accompanying lecture.

## CAFETERIA SURVEY ASKS SUGGESTIONS

A questionnaire survey is being conducted by the cafeteria at Convair Palmdale to determine the likes and dislikes of its Convair patrons. Robert Worrell, cafeteria manager at Palmdale, stated that each suggestion will be given individual attention. "It is our desire to provide Convair employees with top quality food of their choice at a minimum price," he explained. Suggestion blanks are now available at the cafeteria and may be deposited in the suggestion box located there.

## \$4,500 Contributions Voted by Committee

Recommendation for contributions totaling \$4,500 was approved at the last meeting of the Antelope Valley Advisory Committee of the Employees' Con-Trib-Club. Included was \$1,500 to go to the Boy Scouts of America for capital equipment for Camp Jubilee; City of Hope, \$1,000, for purchase of an oxygen manifold; Lancaster YMCA, \$1,200, for organizational funds; South Antelope Valley YMCA, \$300, for capital equipment; Los Angeles County Association for Mental Health, \$500.

## Golf Fans to Form CRA-Sponsored Club

Organization of an Antelope Valley CRA-sponsored golf club will be the prime topic at a meeting called for 7:30 p.m. Thursday (Sept. 25) at the CRA Clubhouse. Golf enthusiasts from Palmdale, Edwards and ERB and their families are urged by CRA representative Al Striplin to attend this meeting to elect officers and committee chairmen and to express their opinions on the type of golf program they desire. A movie, "Honor Caddy," starring Bob Hope and Bing Crosby, will be shown, and refreshments will be served.

## Injury at Palmdale Erases Safety Total

An accidental injury to a Convair Palmdale employee broke the 167-day record of no-lost time at the Antelope Valley facility. A total of 2,302,600 manhours of time worked had been amassed before the accident dropped the safety record back to zero, said Ross Workman, Palmdale safety engineer. The injury was suffered on Aug. 26 by a Dept. 321-1 employee as he was manually pushing a truck, injuring his right knee.

## Vitamins Go on Sale At Employee Services

A wide selection of vitamin pills now are available to AV Convair people at Palmdale employee services, announced J. T. Schultz, employee services supervisor. The new service, effective this week, gives Convair employees access to the complete line of Hightower Vitamins. They were sold previously only through vending machines located throughout the plant area.

## Hula-Hoop Contest To Be Held Sept. 27

In step with the current hula-hoop rage, Antelope Valley CRA will sponsor a hula-hoop contest for Convair children from seven to 14 inclusive. The contest will begin at 10 a.m. Saturday (Sept. 27) at CRA Clubhouse, 3101 East Ave. Q, Palmdale. CRA will award prizes in each division for the various styles of twirling, and free punch and suckers will be provided for the children. Following the contest a free showing of Disney cartoons will be presented in the Clubhouse, CRA representative, Al Striplin, announced.

## Graham Tops Events Of Model Plane Club

A McCoy 35-engine was presented to Don Graham (Palmdale Dept. 328) as the first-quarter winner in the senior division of Antelope Valley C. R. Aeromodellers Club. Terry Gunn, son of USAF Capt. G. D. Gunn received a U-control plane as junior division winner. Winners were determined by compiling points won at the various club events during a three-month period and prizes were presented at the Sept. 3 club meeting presided over by chairman Carl Lucarelli (Dept. 321-2).

## Rites Held in SD For Edwards Man

Funeral services were held last Saturday at San Diego for William M. Tucker Jr., material control assistant foreman at Convair Edwards, who died Sept. 8. Tucker first joined Convair SD in 1943, leaving for other employment the following year. He re-joined Convair in 1946 and came to Edwards facility in 1955. Tucker was active in bowling circles and served as an officer for CRA Edwards teams.

## Oct. 1 Firm For Dancing Class

All members of the Convair Pomona Square Dancing Club are invited to attend a special send-off party for "Smitty" Smith, regular caller for the "Steppers," at 8 p.m. Friday (Sept. 19) in the new CRA Clubhouse. Smith will leave for several weeks, vacationing in the East, and guest callers will be engaged during his absence. Refreshments will be served during the evening, courtesy of the club, Commissioner Marvin Shores said. Members are also reminded that each third successive night in attendance at the regular Friday dances entitles the couple to one night of free admittance. The "Steppers" have set a firm date of Oct. 1 for the opening of the new square dancing class. Instruction will be held at 8 p.m. each Wednesday in the new CRA Clubhouse with Lorry Shockley serving as temporary instructor. "Our club is an 'open' club and is competitive with other square dance clubs, therefore, membership in either the classes or regular dances is open to outsiders as well as Convair employees," Shores said. "We encourage all members to invite their friends to join." For further information concerning classes contact Shores, ext. 5124 or NA-9-0777, and Ralph Hawes, president, at ext. 5123 or NA-6-6859.

## Frederick, Oakley Win AV Trap Shoot

Tom Frederick of Palmdale Dept. 323 displayed his shooting prowess to win the silver bird shoot-off and a 10-bird prize event at Antelope Valley CRA Gun Club's Sept. 7 trap shoot. Second place in the silver bird event went to Rick Oakley (Edwards Dept. 303), who also was a 10-bird winner. Grocery prizes were presented to all winners, including Harold Lethgo, Ed Nelson, Lawson Spurgeon (all Dept. 303), and Art Uhlmyer (Dept. 321).

## Convair Man Killed In Airplane Crash

Robert R. Reddick of Palmdale Dept. 328-1 was killed Aug. 29 when the light plane he was piloting developed engine trouble and crashed into an orchard shortly after taking off from the Quartz Hill Airport. Reddick, 32, had been with Convair since Dec., 1956.

## Log Book Entries

### Awards

**POMONA**  
Employee Suggestion Awards totaled \$89 for the period ending Sept. 5.  
Dept. 6, Engineering: T. B. Maher, \$10.  
Dept. 27, Quality Control: H. D. Overton, \$10.  
Dept. 51, Machine Shop: R. D. Johnston, \$25; P. J. Kuchesky, \$10.  
Dept. 61, Sub Assembly: G. Kosky, \$24.  
Dept. 72, Test Equipment: J. B. Wilken, \$10.

### Promotions

**POMONA**  
Promotions and transfers to or within supervision effective Aug. 25:  
Dept. 6, Engineering: To chief admin. engineer, C. F. Bradley.  
Dept. 72, Test Equipment Maintenance: To asst. foreman, J. W. Admire, C. M. Armstrong.  
Dept. 73, Missile Checkout: To foreman, J. L. McCurdy.  
Effective Sept. 1:  
Dept. 6, Engineering: To asst. design group engineer, J. T. Curry, J. C. Jackson, J. D. Knight, E. V. Mason.

### Service Emblems

**POMONA**  
Service emblems due during the period Sept. 16 through Sept. 30:  
Fifteen-year: Dept. 52-0, G. H. Phillips.  
Five-year: Dept. 6-0, A. E. Sohlke Jr.; Dept. 13-1, T. V. Slattery; Dept. 25-2, F. R. Spies, Lora M. Wyatt; Dept. 27-1, T. S. Evans, J. C. Pickrel.  
Dept. 31-0, L. R. Blane, Gertrude O. Doering, A. D. Poore, C. L. Shaw; Dept. 63-0, Cleo T. Ervin; Dept. 72-0, H. L. Van; Dept. 99-0, Joline A. Otto.

### Births

**POMONA**  
IRVINE—Son, Gerald Andrew, 9 lbs., 3 oz., born Aug. 10 to Mr. and Mrs. Robert G. Irvine, Dept. 6.  
**ANTELOPE VALLEY**  
BUCHANAN—Son, Stephen Thomas, 8 lbs., 2 oz., born Aug. 18 to Mr. and Mrs. T. J. Buchanan, Dept. 303-2.  
CRESWELL—Son, David Lee, 5 lbs., born July 25 to Mr. and Mrs. W. H. Creswell, Dept. 303-8.  
HOWELL—Daughter, Karolee Kay, 5 lbs., 12 oz., born Aug. 31 to Mr. and Mrs. D. R. Howell, Dept. 303-6 (Edwards).  
POLIZO—Son, Fred Jr., 6 lbs., 11 oz., born Aug. 16 to Mr. and Mrs. Fred Polizo, Dept. 303-8.  
SCHROEDER—Son, David Paul, 6 lbs., 8 oz., born Aug. 25 to Mr. and Mrs. Virgil Schroeder, Dept. 325-1 (Palmdale).  
SOLMES—Daughter, Mary Kathleen, 7 lbs., 14 oz., born Sept. 2 to Mr. and Mrs. A. E. Solmes, Dept. 328-2 (Palmdale).  
WILLIAMS—Son, James Martin, 4 lbs., 6½ oz., born Sept. 4 to Mr. and Mrs. Martin Williams, Dept. 324-4 (Palmdale).  
WITWER—Daughter, 7 lbs., 15½ oz., born Aug. 3 to Mr. and Mrs. J. Witwer, Dept. 575-3 (ERB).  
ZATHAN—Son, James John, 7 lbs., 1 oz., born Aug. 29 to Mr. and Mrs. J. J. Zathan, Dept. 303-0 (Edwards).

### Deaths

**ANTELOPE VALLEY**  
REDDICK—Robert R., Dept. 328-1 (Palmdale). Killed Aug. 29 in plane crash. Survived by mother, Mrs. Mary A. Cuddy of Reseda, Calif.  
TUCKER—William M. Jr., Dept. 303-6 (Edwards AFB). Died Sept. 8. Survived by three daughters, Mrs. Joan Stipp, Mrs. Priscilla Hooks, and Rene Tucker; one son, William Tucker III.

### Is It News?

## Call Convairiety!



**HOLLOMAN VISITORS**—Convair Management Club at Holloman AFB entertained delegation of SD Management members at Aug. 19 meeting in new Officers' Club. Speaking to group in lower shot is R. L. Bayless, SD chief engineer. Others from SD were P. M. Proppett, assistant chief engineer-flight test; P. D. Ferrara, chief design engineer; and Paul Veal, wage and salary administrator.





**CONVAIR AT THE FAIR**—Convair Antelope Valley turned out in full force at the Antelope Valley Fair and Alfalfa Festival held Sept. 4-7, with parade floats and displays. At left is the AV Convair Wives' float depicting Convair planes and

missiles in service throughout the world and community services abetted by Wives' club. Shot at far right shows CRA square dance horse-drawn entry and in center is Air Force F-102 traveling display on exhibition for first time.

## Toppers Lead Sabres at End Of Keg Season

Convair Palmdale bowling league ended the summer season at AV Bowl with Toppers capturing the championship with a four-game lead over Sabres.

Comprising the winning team were T. Maruyama, B. Roy, G. O'Neal, and L. Marshall, the latter also taking HIS with 711. A. Hoch of the Tigers rated HIG with 259, while Toppers scored 2584 HSTS, and Sabres 858 HSTG.

The Thursday Night Convair league in action at Sands Bowl had Verniers holding a slim lead over Old Yallors. Tops in the eighth week of play were P. DeLorenzo, 659 HIS; S. Hawke, 223 HIG; Verniers, 2777 HSTS; and Sensitive Five, 967 HWTG. DeLorenzo's and Verniers' scores were good for season highs along with W. Jenness, 252 HIG, and Sidewinders and Sensitive Five tied for HSTG with 967.

The Thursday Morning league had Igniters holding on to a three-game lead over Kool Katz. Hottest in the ninth week of competition were E. Palmer, 600 HIS; H. Vasquez, 234 HIG; Phantoms, 2763 HWTG; and Splits tied with Kool Katz, 896 HWTG.

The Phantoms' 2763 series was also good for season high. Other season highs were C. Patten, 638 HIS; P. Nelli, 245 HIG; and Forever Amber, 961 HSTG.

## Radio Transmitter Purchased by CRA

Antelope Valley CRA Radio Club will be "on the air" in the near future.

Club members are currently engaged in assembling a radio transmitter kit purchased by CRA to go with the receiver and antenna already installed at the radio shack on CRA Clubhouse grounds.

Assembling the kit is the current project at the meetings held at 7:30 p.m. each Monday and it is anticipated that the transmitter will be ready for use within 60 days. Club members hope then to contact Convair San Diego and Pomona clubs as well as other radio clubs.

## Final Family Swim Held for This Year

Last family swim night Sept. 9 at Courson Pool, Palmdale, brought to a close the summer CRA-sponsored program.

During the 13-week season 3,258 Antelope Valley Convair persons and members of their families took advantage of the weekly swim nights and instruction sessions.

Plans are already under way for next year's swim program, announced Al Striplin, CRA coordinator.

## CRA Sports & Recreation Convairiety



**AV QUEEN**—Barbara Williams of Edwards (Dept. 303-2) receives bouquet from TV actor, Dean Fredericks, along with title of Convair beauty queen at Aug. 30 judging. Runners-up are Kay Eatherton (at left) of Dept. 303-6 and Beverly Pickett of ERB (Dept. 575-3), at far right.

## 'Mrs. Convair' Queen Title Won by Barbara Williams

Barbara Williams, engineering aid at Edwards (Dept. 303-2), was crowned winner of the Antelope Valley Convair beauty queen contest at the Aug. 30 judging.

Over 250 attended the beauty queen dance in the CRA Clubhouse to witness the presentation of a large engraved trophy to "Mrs. Convair" by Steve Cochran, well-known star of screen and television.

She also was handed a huge bouquet of gladioli by Dean Fredericks, soon to be seen in the new "Steve Canyon" television series.

Second and third-place winners were Beverly Pickett, wife of H. E. Pickett of ERB (Dept. 575-3),

## Photo Entries Win Awards at AV Fair

Roy Knight, Convair Palmdale facility photographer, won awards for all of his entries in the Antelope Valley Fair.

Submitting four pictures in the photography professional division, Knight walked off with four awards—a first and second for his two action shots, a first in the pictorial classification, and a second for his entry in the animal section.

and Kay Eatherton of Edwards (Dept. 303-6). They both received loving cups as their awards.

"Mrs. Convair" and the two runners-up presided in the Convair booth at the Antelope Valley Fair held Sept. 4-7.

Convair contestants were judged in evening gowns and bathing suits at the coronation ball by a panel of judges including Cochran, Fredericks, Kay and Martin Alameda, Jim Trehearne, and Bettie Miller.

Bette Van Proyen, CRA commissioner of women's activities, assisted by J. T. Schultz, employee services supervisor, were in charge of the CRA-sponsored contest.

## CONVAIRIETY REQUEST BEAMED FROM OKINAWA

A request for Antelope Valley edition of Convairiety was received via the air waves recently when Capt. D. J. Torres, former operations officer at Palmdale now stationed at Okinawa, was contacted by Dr. S. A. Lask of Convair Palmdale.

Lask, a radio ham, made contact with Captain Torres at his island outpost Sept. 4.

## ERB, Palmdale Nines End Season As One-Two Teams of 'A' League

Two Convair Antelope Valley softball teams led the field to emerge as champion and runner-up of the Los Angeles County Industrial Softball "A" League.

Convair ERB Missilemen swept to the championship under the management of S. C. "Stew" Tramell and aided by the strong arm of pitcher Jack Bass (both of ERB Dept. 575).

Convair Palmdale Eagles under Manager Dale Turner (Dept. 321) finished in second spot. The third Convair team in the "A" league, Edwards Delta Daggers managed by C. B. "Dusty" Rhodes of Dept. 303, ended the season in fifth place.

ERB's win this season keeps

intact Convair's record of having at least one championship team each year since Convair teams began participating in AV league play.

In the "AA" division Convair's only entry, Palmdale Interceptors managed by Dave Arce (Dept. 321), placed third.

The Convair ERB champs will receive a sponsor's trophy and individual trophies presented by the county, and CRA will award team members with champions' jackets at a banquet, time and place to be announced.

Marking the conclusion of the season, members of Convair Palmdale Eagles and their families were hosted by Manager Turner at a venison barbecue Sept. 3 at CRA Clubhouse picnic grounds. Entertainment included dancing, table tennis, and horse-shoe pitching.

## HONESTY PAYS OFF FOR SD ENGINEER

Robert M. Kuhns, Convair SD Dept. 6, now on loan to the Edwards engineering group, is convinced that honesty really does pay off.

On his way to work recently Kuhns found a brief case containing approximately \$700 in cash and checks lying in the road. Since there was no positive identification he turned everything over to the Antelope Valley Sheriff's office.

Several days later the case and contents were claimed by Langendorf Bakeries who honored Kuhns' honesty with a \$50 reward.

## CRA Hobby Group May Be Organized

If enough hobby and craft enthusiasts show up at 7:30 p.m. next Tuesday (Sept. 23) at Antelope Valley CRA Clubhouse, another new CRA activity for Convair families will be organized.

Adults and juniors interested in such a program and persons capable of serving as instructors in any craft activity such as weaving, woodworking, leather tooling, painting, etc., are urged to attend, CRA representative Al Striplin announced.

Refreshments will be served.

## CRA Calendar

**Antelope Valley**  
(CRA stands for Convair Recreation Association to which all Convair employees belong. Call CRA office, Palmdale, ext. 331, for information on Antelope Valley activities. CRA activities are financed by proceeds from vending machines in the plant.)

★ ★ ★  
**BOWLING**—Convair Edwards Scratch Trio, 4:45 p.m. Wednesday; Convair Palmdale Mixed League, 12:45 a.m. Fridays; Convair Nighters, 1 a.m. Wednesdays, all at AV Bowl. Convair Ball and Chain League, 7 p.m. Sundays; Convair ERB first shift, 8:30 p.m. Thursdays, and second shift, 10:30 a.m. Thursdays; Convair-Hughes League, 6:30 p.m. Fridays, all at Sands Bowl.

**CAMERA CLUB**—Meeting at 7:30 p.m. tomorrow (Sept. 18) at CRA Clubhouse.

**GUN CLUB**—Pistol shoot at 9 a.m. Sept. 28 at Mira Loma range.

**ICE SKATING**—Skate sessions from 5:30 to 7:30 p.m. first and third Thursdays at Melody Ice Garden.

**MODEL PLANE**—C. R. Aeromodelers meeting, 7 p.m. tonight (Sept. 17) at CRA Clubhouse.

**MOVIES**—Free movies for Convair families, 7:30 p.m., Fridays at CRA Clubhouse. Sept. 19, "Broken Lance" in color, plus

cartoon. Sept. 26, "All the Brothers Were Valiant," in color.

**RADIO CLUB**—Meetings Sept. 21 and Sept. 29, 7:30 p.m. at CRA Clubhouse, 3101 East Ave. Q, Palmdale.

**ROLLER SKATING**—Skate sessions 5:30 to 7:30 p.m. second and fourth Wednesdays at Lancaster Roller Rink.

**SKIN DIVERS**—Desert Divers meeting at 10:30 a.m., Sept. 24 at CRA Clubhouse.

**SPORTS CAR CLUB**—Meeting 7:30 p.m. first and third Tuesday of each month at CRA Clubhouse, 3101 East Ave. Q, Palmdale. Second shift meets 1 a.m. Wednesday mornings at CRA Clubhouse.

**SQUARE DANCE**—Intermediate instruction, 7:30 p.m., Sundays at CRA Clubhouse.

★ ★ ★  
**Holloman**

**BOWLING**—For information on league play contact Dave Tapper.

**CHESS CLUB**—Call W. A. Dunaway, ext. 36, for information.

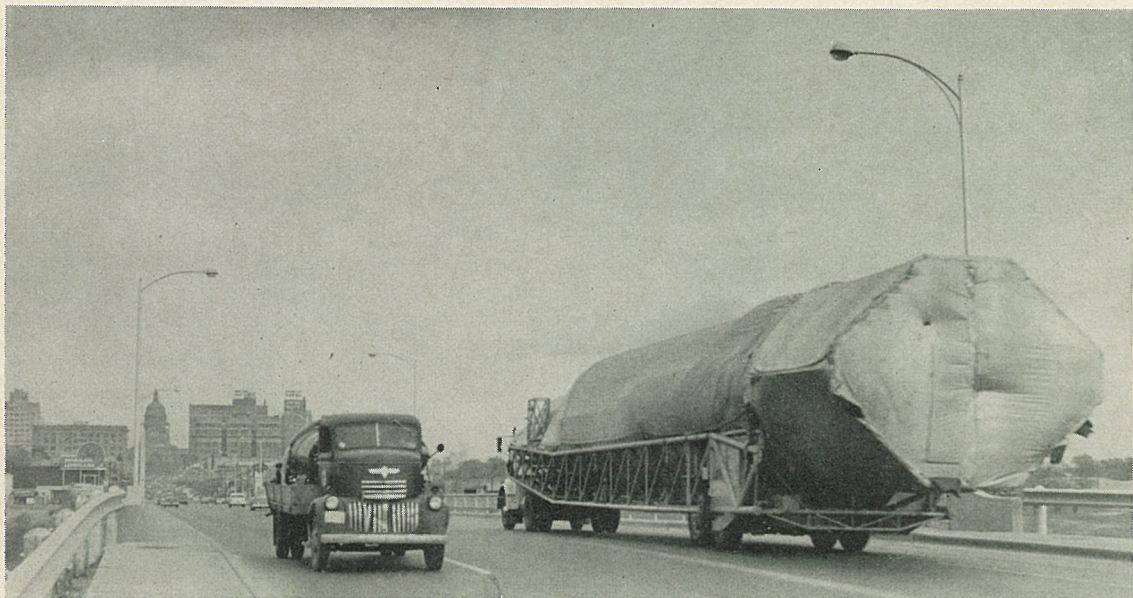
**CONVAIR WIVES CLUB**—Mrs. M. H. Muller, president.

**GOLF CLUB**—For information contact Loris B. Dickson.

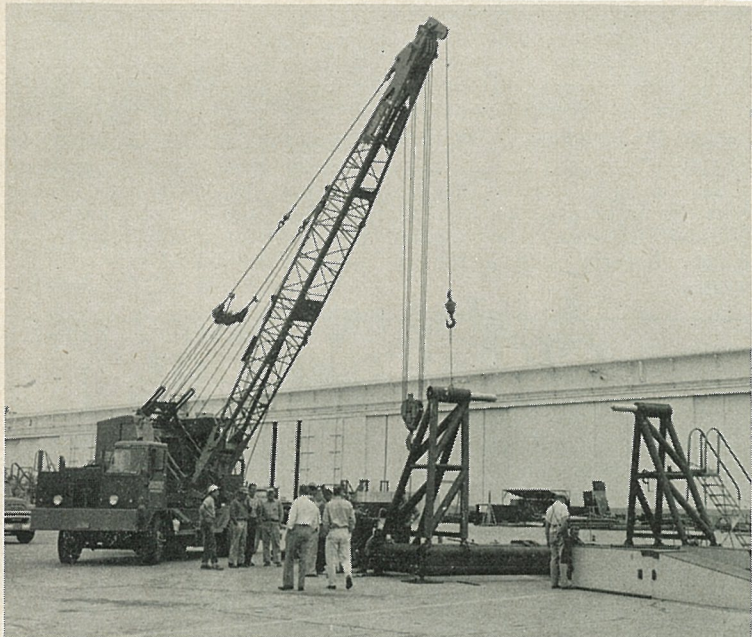
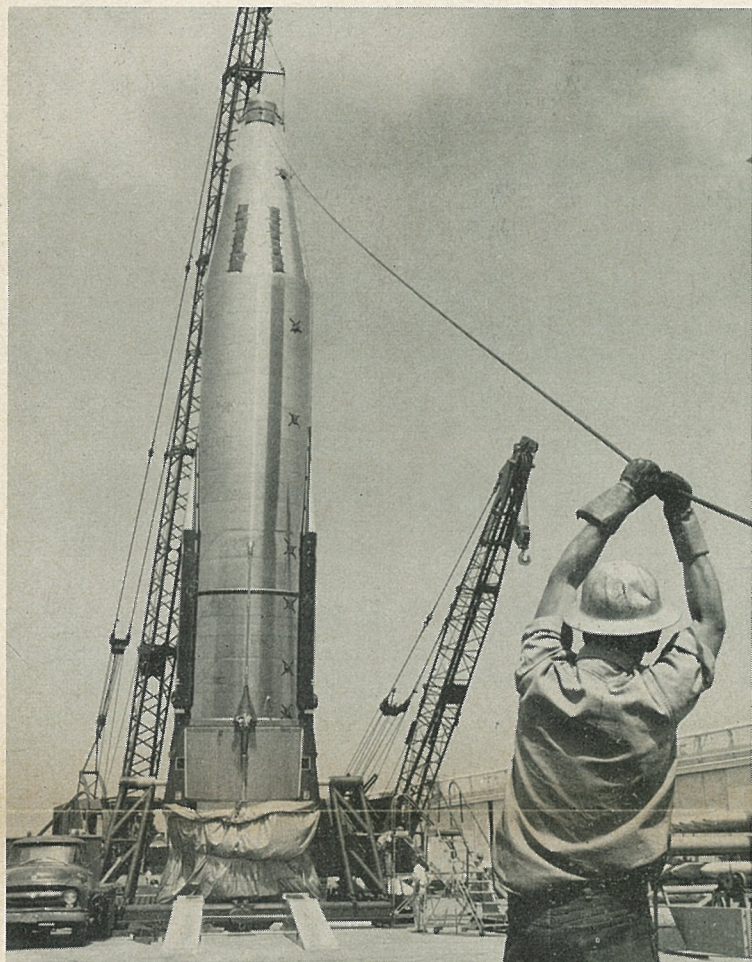
**GUN CLUB**—Call Walter W. Bragg, ext. 12, for information on gun shoots.

**ROCKHOUND CLUB**—For meeting place and dates contact Nick Sourant, tel. HE-7-4172.





AUSTIN AHOY!—Atlas missile, shrouded from public gaze, rolls into Austin, Texas, state capital, on cross-country trip. This is how trailer looked this week en route to Convair Fort Worth.



PRACTICE—Atlas is mounted on special display rig during "dry run" at San Diego (top photo). Base itself (lower picture) is comparatively simple but capable of holding Atlas aloft in winds up to 65 mph.

## Special Base To Hold Atlas On Exhibition

Two separate convoys, both originating at Convair Astronautics, were rolling eastward this week toward a rendezvous in Dallas, Texas, and the first public showing of Convair's Atlas ICBM.

One convoy will carry a special mounting rig, designed and built by Astro, which will enable the Atlas to be shown upright without supporting structures or wires. It left San Diego last Friday (Sept. 12) bound direct for Dallas via commercial carrier.

Early this week an Atlas missile, riding on its special carrying trailer and supported by the usual caravan of vehicles which accompany it in overland travel, departed. Its destination was Convair Fort Worth where it will remain until ready to make a public debut.

Sept. 25 is the official date for the first showing of the Atlas. Occasion is the 1958 Air Force Association's annual national convention and Airpower Panorama.

Erection of the towering (about 75-feet high) Atlas without supporting structures is a major accomplishment in itself.

This device consists of a web-work of steel tubular material. It has two upright attachment points each about 10 feet high, plus two supporting arms. It weighs 20,735 pounds and can be disassembled to allow shipment without special carriers or permits for travel.

Loading of the missile on its base at Dallas is expected to take about two hours. The missile trailer is simply backed onto the base where a crane or cranes lift it into position. "Dry runs" of this operation were held last week at Astronautics.

Once mounted, the missile is capable of remaining erect in winds up to 65 miles per hour.

Three functions participated in the construction of the base. Engineering's ground handling equipment section cooperated with tool design in working out specifications, while the latter performed design work. Al LeBlanc of tooling was the lead designer. It was built by tool manufacturing.

## Datafax Will Develop Instrument Systems

Design, development and production of specialized mechanical and electrical instruments and instrument systems will be the responsibility of Datafax Instruments, a new Convair program, J. V. Naish, Convair president, announced last week.

Datafax will further refine and market instruments and systems invented and developed as by-products of Convair's five operating divisions.

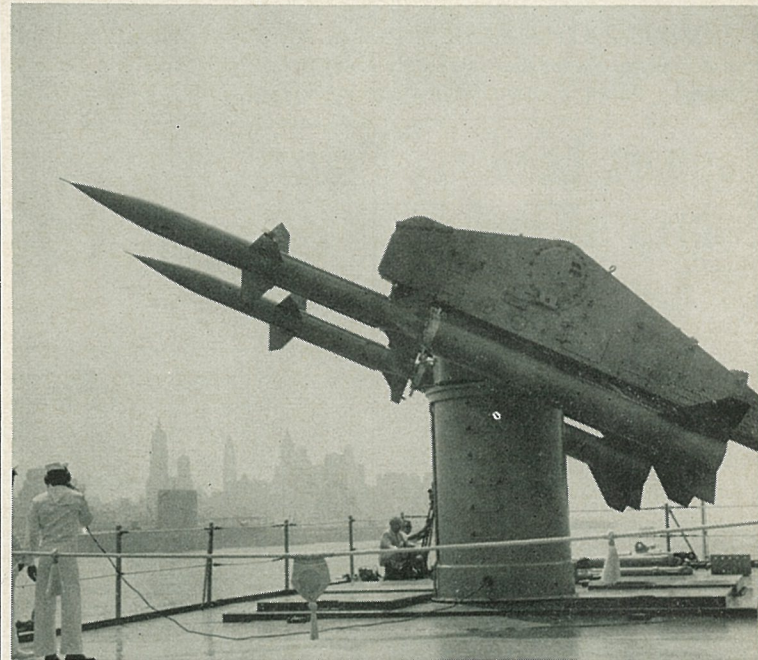
Naish said Datafax also will conduct its own development work.

"For the first time Convair

now has an organization to exploit the instrument by-products that are a natural outgrowth of our primary work on advanced missile and aircraft systems," he said.

Headquarters of Datafax is at 5660 La Jolla Blvd., La Jolla, Calif. A former design specialist for both Convair San Diego and Convair Astronautics, Egon E. Muehlner, is project engineer.

Datafax activities initially will center around three broad instrument categories; mechanical; AC and DC current measuring devices; transducers dealing with both pressures and time.



TERRIER IN N.Y.—Sailing into New York harbor recently was USS Canberra, missile cruiser. Prominent aboard were Pomona-built Terrier missiles.—Wide World photo.

## Mid-Air Refueling Adds Greatly To Range of Mach 2 Hustler

Extended striking range adequate for virtually any Air Force mission was claimed for the Convair B-58 Hustler at Convair Fort Worth this week as result of successful refueling demonstrations with KC-135 tankers.

The extended range is considered all the more significant in view of an Air Force release revealing the bomber's speed as more than 1,300 miles per hour.

"With the added range and the Hustler's Mach 2 speed," commented B. A. Erickson, manager of flight, "the B-58 is unmatched by any other bomber in the world."

Erickson was pilot of the B-58 in the first refueling operation "somewhere over Texas" and in a number of other mid-air fuel transfers.

The B-58 and KC-135 refueling demonstrations, which have now been successfully accomplished dozens of times, were run off much more quickly than had been expected—a tribute to the B-58's capabilities to accomplish the task despite the fact that the tankers are much slower than the B-58 normally flies.

First mid-air refueling operations were with a KC-135 tanker from the Air Proving Ground Center of Air Research and Development Command at Eglin Air

Force Base in Florida.

The honor of being the first AF man to refuel a B-58 in the air went to Master Sgt. Charlie W. Lambert, whose role was recognized by Convair later when Convair B-58 Pilot Jack Baldrige presented him with a certificate in a brief ceremony at Eglin.

AF pilot of the KC-135 on the first refueling was Capt. Lawrence Snowden of Eglin. The B-58 crew was made up of Erickson; J. A. Rogerson as flight observer; and O. D. Lively as test engineer.

The B-58 refueling program was conducted by a team captained by Harold Johnston of flight test engineering.

## Hunters Once Shot Near Our SD Plant

Lou Lyte, FW Dept. 74 general foreman, was reminiscing last week on his 22 years with Convair and recalled:

"When I first came to work we were paid in cash . . . And I can remember the San Diego plant then was located on the very edge of San Diego Bay. I used to watch people get out of nearby cars carrying shotguns—going duck hunting!"

## Uniform Security Card System Being Adopted

New security clearance cards, which will be standard throughout all Convair divisions, will replace present "secret" and "top secret" cards.

G. D. Higgins Jr., Convair director of industrial security, said that approximately 32,000 holders will be affected.

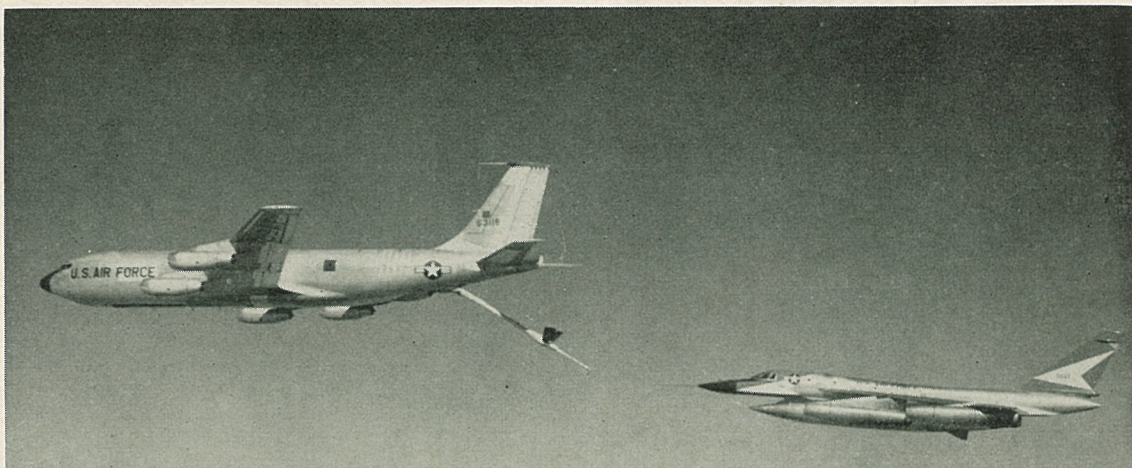
The move was decided upon to better conform with Department of Defense security regulations.

Astronautics Division already is well along with the change-over. San Diego, Fort Worth, Pomona and Daingerfield all are in the process of changing. Higgins estimated that within 60 to 90 days the switch-over will be

complete.

The new cards, coded by color, carry only the individual's name, employee number and signature. They will be issued by departments after a close check of each person's security master control file. Old cards must be surrendered before the new ones can be issued.

Higgins emphasized that the security cards are for use within Convair facilities only. In themselves the cards do not constitute authorization for access to classified information. Positive identification and "need to know" must also be established before access can be granted.



DRINKING IT IN—Convair B-58 supersonic Hustler bomber gets ready to take on load of gasoline from KC-135 jet tanker in refueling tests over Texas. Pilot B. A. Erickson described flight as "routine" and said that "everything went as planned."





Published every  
other Wednesday.



Convair Division of  
General Dynamics Corporation.

# Convairiety

Vol. 12, No. 20

Wednesday, September 30, 1959

Antelope Valley  
and Holloman  
EDITION

News Offices:  
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MSTS ext. 8-22401  
Palmdale ext. 337  
Holloman ext. 20

SAN DIEGO, POMONA, ANTELOPE VALLEY, VANDENBERG AFB, CALIF.

AFMTC, CAPE CANAVERAL, FLA., FORT WORTH, TEX.



**BONUS**—Colored photograph set to be given away in addition to cash prizes under revised Employee Suggestion program are displayed by pretty Shirley Sorokie (Dept. 8-6). F-102 and F-106 desk sets will also be awarded.

## Color Photos, Desk Sets Rewards For Best ESs

New "fringe benefits" will be offered through Convair's SD's Employee Suggestion program starting Oct. 12.

Now, not only will personnel be able to win as much as \$10,000 for a single suggestion put into effect, but also extra bonuses in the form of colored photograph sets of Convair planes and missiles, and model F-102 ash trays and F-106 desk sets.

E. E. Hartzler, cost reduction

### \$178,140 Saving Seen For J. W. Cox's CIP

Top Cost Improvement Proposal installed in the past two weeks at Convair SD was submitted by J. W. Cox, Dept. 170 foreman. His suggested changes in manufacturing sequence and flow of instruments for the compass integrated flight, auto pilot systems on the 880 are expected to mean a savings of \$178,140.

Top Employee Suggestion installed in the same period was submitted by Donald H. Yeager, Dept. 115, who earned a \$174.50 award for suggesting extension of controls on Arrow Profiler machines to permit more efficient operation.

## TV Tube-Shaped Capsule Will House Astronaut

When the U.S. sends its first man into space, he will be inside a capsule shaped like a giant television tube. An Atlas missile will be the means of putting the capsule into orbit around the earth.

Six candidates for the role of space man, all volunteers from the military services, visited Astronautics Division last week to meet Atlas experts.

A prototype capsule, carrying instruments instead of man, was launched Sept. 10 as the payload of Atlas 10-D, fired from Cape Canaveral by a Convair crew with Curtis Johnston as test conductor. It soared out over the Atlantic Missile Range to be recovered later for post-flight analysis.

Convair Astronautics, builder of the Atlas, is working closely with the National Aeronautics and Space Administration (NASA) on the program, which is known as Project Mercury. Unmanned capsule tests, such as the Sept. 10 launch, are called the "Big Joe" phase.

P. E. Culbertson is the Astro project engineer for the program. Other key Astro personnel include: Dr. A. F. Schmitt of the dynamics group; R. V. Battey of aerophysics; C. E. Wilson, who is responsible for developing an instrumentation system capable of detecting malfunctions within the Atlas and initiating abort maneuvers; and Johnston, complex 14 test conductor.

(Continued on Page 3)

## First 600 Keel Arrives at SD

Machining of the keel longeron for the first Convair 600 jet transport is due to begin this week in the high bay area of Bldg. 1 at Convair SD Plant 1.

Seven of the lengthy (60 ft.) longerons making up the first order for the Convair 600 program rolled into Plant 1 on schedule the first of last week from the Alcoa mill at Lafayette, Ind.

According to A. E. Kemp Sr., machine shop general foreman, machining operations will get under way the first of October on Convair SD's huge Onsrud spar mill. Maximum capacity of the spar mill, largest of its type on the West Coast, will be required to handle the long pieces of metal which will be the first step in construction of Convair's newest jet airliner. Tooling for machining of the longerons was made on the spar mill and a special cradle for handling them was built by SD plant engineering.

The longeron, which with the underwing canoe, will form key assembly for the Convair 600, weighs 1886 lbs. and is one of the largest extrusion parts made. The pieces were extruded (molten metal squeezed like toothpaste through a die) on Alcoa's 14,000-ton extrusion press, one of the largest in the world.

Use of the single longeron piece for laying the "keel" of a plane first was adopted at Convair SD during construction of the F-102 and has been continued on the F-106, Convair 880, and now, the 600. The one-piece longerons, attached to the outside of the plane's assembly, have proved less costly, stronger, and lighter than the former multi-section method of interior installation, say Convair SD engineers.

Convair SD's design engineers of the body group were working on preliminary plans and specifications for 600 longerons as long ago as September of last year.

"Engineering, purchasing, and vendor efforts were combined to receive the finished product on time and at the minimum cost to maintain the Convair 600 program schedule," commented M. R. Yale, senior group engineer.

## Old Globe Tickets Continuing on Sale

Tickets to the first Old Globe Theater production of the season are still available at Convair SD employee services, both plants.

Convair Recreation Association has bought the entire house of 340 seats for the Convair night performance this Sunday (Oct. 4) of "Visit to a Small Planet."

Since the cost of the theater to CRA has been increased this season, explained J. K. Field, SD chief of employee services, it has been necessary to discontinue the previous two-for-price-of-one ticket offer. Reduction of tickets for Convair SD people is now 75 cents on any seat.

## Cost of Dependent Insurance Climbs

Increased costs of claims for dependents under Convair SD's group insurance during the past year have necessitated an increase in premiums effective tomorrow (Oct. 1).

The weekly cost will be increased 23 cents (from \$2.25 to \$2.48) for all employees represented by I.A.M. (whose dependent insurance does not include major medical protection). For all other employees (whose dependents DO have major medical coverage) the increase is 25 cents (from \$2.52 to \$2.77).

## F-106Bs Perform In Demonstration At Andrews AFB

F-106Bs chalked up a highly successful project demonstration Aug. 18-Sept. 4 at Andrews AFB, near Washington, D.C.

With members of the press, military writers, and dignitaries taking turns in the observers' seats, three F-106Bs demonstrated full capabilities of the Convair-built plane and its weapon system in SAGE (Semi-Automatic Ground Environment) conditions.

Completely automatic intercepts were conducted against targets from Andrews' 95th FIS Alert Area. Thirty-eight missions were flown during the three-week period, with at least three scheduled each day, said R. E. Sommers, Convair SD interceptor service supervisor, on the spot as technical representative during the demonstration.

"Not one of the scheduled missions was missed for want of an aircraft," said Sommers in describing the readiness and reliability of the F-106. "Airframe system and reliability made it possible to keep on schedule without difficulty. In fact, flights could have been increased at least 50 per cent without additional support."

"We feel that the entire performance was more than satisfactory with the F-106s proving themselves in every way," he concluded.

Each mission saw a F-106B following a SAGE-directed course to intercept the target, a B-57. After each intercept, the aircraft was flown at Mach 2 speed to

further demonstrate its performance.

Pilots of the three planes were Col. W. Clark, commander of F-106 Category III tests at McGuire AFB; 1st Lt. J. Sullivan of Category III Test Force; Maj. Don Sorlie of AF Flight Test Center at Edwards AFB; and Maj. Joe Rogers, ADC Headquarters, Ent AFB, Colorado Springs, Colo. All three planes were flown in from Palmdale, Calif., Convair SD test facility.

Credit was given the Convair SD support team headed by R. L. Johnson. E. A. Fish, maintenance foreman, and his group of 11 ground support men serviced the planes in between missions. J. L. Carton was group engineer. All were from Palmdale facility.

"We especially thank members of the 95th FIS for their assistance throughout the entire program," said Sommers. "It was invaluable!"



**FLYING HIGH**—F-106 shoots skyward in maneuver like those performed at recent demonstration.

## Store Hour Change In Effect for SD

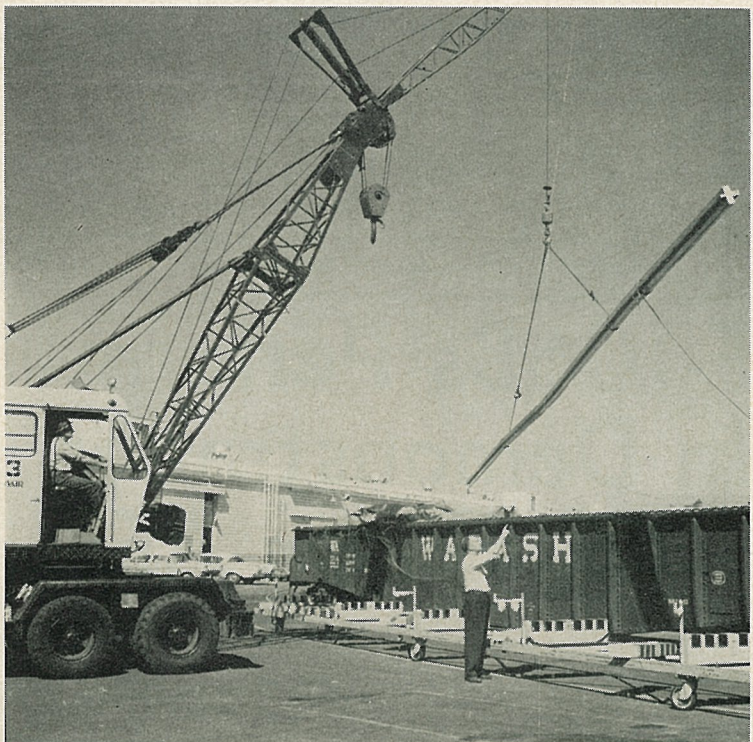
Hours at the Convair San Diego employees store on Pacific Coast Hwy., across from Plant 1, have been changed to 10:30 a.m. to 5 p.m. Mondays through Fridays.

The store, under management of W. E. Rickman, carries household articles, gift items, and jewelry at discount prices for the benefit of Convair people.



**"WELL DONE"**—Convair SD support team, grinning broadly after fine performance of F-106s at Andrews AFB demonstration, are, left to right (front row), Chuck Benner, John Millard, "Pappy" Swint, Bill Gonyeau, Ron Branstetter, Ed Shemko, Ed Fish. From left in back row are Jim Carton, Red Broadwater, Vern Kampmann, Ed Lavis, Carrol West, John Nicholson, Glenn Pike, Roy Sommers, Dick Johnson, group leader. All except Sommers are based at Palmdale facility.





**LONG PIECE**—Swinging high in air is first Convair 600 keel longeron as it is unloaded from freight car at Convair SD Plant 1 with J. S. Fisher operating crane and, directing unloading, A. L. Burnett, transportation foreman.

## Estimated Saving Approaches \$1 Million, Result of 'RX' Ideas

"RX" ideas expected to save almost \$1 million have been put into effect so far at Convair SD and not all the proposals have been evaluated.

Figures revealed last week by SD's cost reduction section showed that through Aug. 28 estimated savings stood at \$980,836. Of this amount, \$755,680 is attributed to 457 ideas installed through Aug. 28. Fifty-three cases, with savings estimated at \$225,156, are still in the process of being installed.

Not included in these figures are nearly 100 proposals which are still being studied.

"We are maintaining as fast a pace as possible," E. E. Hartzler, cost reduction supervisor, said.

A further breakdown of "RX" totals through Aug. 28 showed that 5,238 ideas were submitted during the four-month campaign. Hourly participants numbered 2,796. Salaried personnel taking part totaled 1,703.

Savings attributed to ideas submitted by hourly folk total \$97,245. Salaried and supervisory personnel accounted for \$883,591.

## Special Bus Lines Serving Astro, SD

A special bus service for Convair SD and Astronautics people living in the El Cajon area involves two buses running daily to and from SD Plants 1 and 2 and one to the Astro site on Kearny Mesa.

Schedule to the Convair SD plant is: departure from First St. and El Cajon Blvd. at 5:45 a.m. and from Fletcher Hills at 6:08 a.m. The El Cajon bus stops at Bostonia Ballroom at 5:50. They reach Plant 2 at 6:35 a.m. and at Plant 1 five minutes later. Return trips leave the Overpass 2 parking lot at Plant 1 at 3:45 p.m. and arrive in El Cajon at 4:30.

Bus to Astronautics leaves First St. and El Cajon at 5:55 a.m.

Any prospective riders may obtain more information from Wayne Fields (Astro) at HI-5-3748, or Richard Gallagher (SD-Dept. 21-2) at HI-5 3870.

## Scholars Hold Summer Jobs

Twenty-four Convair SD scholarship winners, graduate students, and faculty members have returned to their classrooms after a summer spent working for Convair.

This summer's employment at Convair SD for young engineers in training was limited to winners of Convair sons and Management Club scholarships. Two graduate students and nine faculty members for specialized short-term positions completed the list this year.

Of the twelve students who hold Convair sons scholarships, eight reported to work at SD Division: Donald H. Boltz, engineering, Stanford U.; Gary C. Krumweide, engineering, San Diego State; Allan Roy King, who will enter Cal Tech in physics this fall, and John C. Rayko, the other 1959 winner, who will begin work toward a math degree at the University of California at Berkeley.

**First graduate under the Convair SD sons scholarship program is Burrell R. Hatcher who received his degree in electrical engineering this June from M.I.T. He is now connected with Electric Boat Division of General Dynamics Corporation.**

(Other scholarship winners are Cecil Scott Boyd, attending the U.S. Naval Academy at Annapolis; William L. Dickey Jr., studying in Germany under the Stanford University program; and Deward Manzer, Harvard University.)

Management Club scholarship winners here for the summer were Fred Hunemuller, Melanie J. Rohr, John M. Starr, Nancy M. Sied, and Marcia Fritz.

E. A. Wahrenbrock, studying for his M.S. degree in chemistry at San Diego State, and H. J. Dahlke, taking Ph.D. work in civil engineering at Stanford U., were the two graduate students put on the San Diego payroll for the summer months.

Faculty members, most of whom have spent several summers at Convair SD, were Robert G. Arnold, assistant professor in civil and agricultural engineering at the University of Wyoming; Albert R. Harvey, professor of mathematics at San Diego State; Robert W. McCloy, department head and assistant professor of aeronautical engineering at the University of Illinois; Andrew P. Mizisin, instructor of chemistry at San Diego Junior College; John G. Teasdale, assistant professor in physics at SD State; Otto W. Witzell, assistant professor of engineering, Purdue University; Loyal R. Roberts, metals teacher at Dana Junior High School; and Adolph B. Hovde, principal in the San Diego school district.

## Airframe Mechanics' Courses Offered

Courses in airframe mechanics and power plant mechanics are being offered at San Diego Junior College. Both courses are certified by the Federal Aviation Agency and are in addition to the two courses begun last spring in jet aircraft systems and flight engineering.

Convair SD people interested may obtain information from the SD Junior College office, BE-4-8451.

## CALIENTE NEXT STOP FOR SD GOLF SWEEPS

Next CRA sweepstakes for Convair SD golfers will be played Oct. 10-11 at Caliente, Ken Wulfmeyer, commissioner, reported. Reservations open today (Sept. 30) at ext. 1705, Plant 1. They close Oct. 7.



**WELCOME**—H. W. Rubottom, SD chief of educational services (left), greets Capt. T. O. Townes and Maj. K. B. Gorton, AF officers newly assigned to Convair SD for year.

## Two Officers Of AF Report For SD Duty

Two Air Force officers reported to Convair San Diego Division the first of this month for a year's assignment under the "Training with Industry" program.

Maj. Kenneth B. Gorton and Capt. Thomas O. Townes are the third team of AF officers assigned to the division since the San Diego program was begun three years ago.

During their year in training with special emphasis on procurement, Major Gorton and Captain Townes will become familiar with all major operations of the company. They will also spend a short time at Palmdale facility, Convair Pomona, Fort Worth, and Astronautics plants, and General Offices, explained M. M. Saunders of SD educational services, coordinator of the program.

"We have found 'Training with Industry' beneficial to both the Air Force and Convair," said H. W. Rubottom, chief of educational services. "It gives both organizations an opportunity to learn each other's methods of operation and problems, thereby establishing better understanding."

Major Gorton, who holds a command pilot's rating, has been in the Air Force 16 years. He received his M.A. in comptroller-ship from George Washington University, Washington, D. C. He came to Convair SD from Washington, D. C., where he had been in programming for Air Research and Development for two years.

Captain Townes came to Convair after two years in the accounting and finance division of Air Materiel Command Headquarters, Wright-Patterson AFB, Dayton, Ohio. He received an M.S. in industrial administration from the AF Institute of Technology at Wright-Patterson and has been with the AF eight years.

## CRA GROUP HELPS STAGE COINARAMA

Convair SD's Coin Club will be one of the sponsoring groups when the San Diego county Inter-Club Numismatic Council stages its second annual Coinarama in the Lafayette Hotel Terrace Room Oct. 18.

From 9 a.m. until 9 p.m. member clubs of the council will display exhibits, compete for prizes, view movies on coins, conduct drawings and sell coins.

All participants will be charged a 35¢ registration fee. Medals and ribbons will be awarded.

Further Coinarama information can be obtained by contacting Joe Miller, ext. 2067, Plant 1; or Vince Bacon, ext. 2250, Plant 1.

## Ehricke 'Science Night' Speaker

Krafft A. Ehricke, director of the Centaur program at Astronautics, will be the principal speaker at Convair SD Management Club's "Science Night" meeting Oct. 14 at the El Cortez Caribbean Room.

Ehricke's topic will be in keeping with the theme of the program and presented in non-technical language. Also on display at the meeting will be large-scale models of missiles and space vehicles.

The business meeting and main address will follow the 5:30 p.m. social hour and 6:30 p.m. dinner. Tickets are now on sale at the usual departmental outlets at Plants 1 and 2. Sponsored by the engineering and experimental departments, the affair is open to members only.

## Instructors on 880 Travel Far Afield

Convair SD customer service representatives are traveling far afield to bring latest Convair 880 information to TWA installations.

Five SD instructors are now at TWA's Kansas City headquarters giving an 80-hour course on the line and power plant program. Glen Arner, Harry Addis, Frank Lafonne, John Nowak, and Walt Belliston will conduct classes for TWA instructors and engineers through next week.

Arner went to Kansas City from New York where he had been giving information on 880 flight control changes to key personnel at the TWA facility. Bob Fitzgerald also took the same information recently to TWA people at Los Angeles International Airport.

## Clinic in Leadership Scheduled to Start

Convair SD people wishing to improve personalities and expand capabilities in leadership and human relations may sign at SD employee services for a "Sales and Human Relations Clinic."

It will open Oct. 19 at Roosevelt Junior High School auditorium, 3366 Park Blvd., and continue each Monday evening, 7:30 to 10 p.m., for five weeks.

Charles M. Simmens, nationally known human relations consultant, will conduct the course.

Cost of the clinic is \$15 per person if five or more sign in a group, otherwise, \$18 each. Applications and brochures are available at Convair SD employee services, both plants.

## SD Nurse to Attend National Conference

Helen Werdelman of Convair SD Dept. 3-5 left last week for New York City where she will attend the Presidents' Conference of American Association of Industrial Nurses. She currently serves as president of the San Diego Industrial Nurses Association.

Since she is a native of New York and graduate of Roosevelt Hospital in New York City she will be combining a trip home with her attendance at the annual conference.

## Symphony Season Will Open Nov. 15

Of special interest to Convair music lovers is the opening of the San Diego Symphony season. First concert will be Nov. 15 with Earl Bernard Murray, new director and conductor, directing. Guest artist will be Jerome Hines.

All of the five concerts of the winter series will be played in Russ Auditorium at 8:30 p.m. Tickets are available at Thearle Box Office, 640 Broadway, SD.

## SD AND ASTRO COUPLE WED

Dorris Engstrom of Convair SD Dept. 6-51 and Walter K. Beyer (Astro Dept. 290) were married Sept. 5. A reception followed at the home of Mr. and Mrs. Sigurd Ziegler (SD-Dept. 6).

## ★ Convairiety ★

Founded Sept. 1, 1948. Published in six editions (Fort Worth-Daingerfield, San Diego, Astronautics, Pomona, Antelope Valley-Holloman and the Mail) by Convair Industrial Relations. General Offices, San Diego, Calif., Logan Jenkins, editor-in-chief.

Approximate current total circulation, over 65,000. News items and letters to the editor are solicited, but no advertising can be accepted.

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Astronautics Editorial Offices, Bldg. 8, Astro site, ext. 3322. Staff: Bryan Weckersheimer, news editor; Alyce Martin. News contacts: AFMTC, Bobbie Waddell, ext. 3038; Vandenberg AFB, Bunny Ingraham, ext. 8-3258; Warren AFB, Ernie Galbos, ext. 832.

FW Editorial Offices, Col. 73C, ext. 2961. Mailing address: Convairiety, Convair, Fort Worth, Texas. Telephone PERshing 8-7311. Staff: Bob Vollmer, news editor; Susan Bagby, Mary Beck.

Pomona Editorial Offices, Room K-222, Bldg. 2, ext. 6226, mail zone 3-8. Staff: James Combs Jr., news editor; Dorothy Keller.

Antelope Valley Editorial Offices, Room 31, Bldg. 301B, Palmdale, ext. 337. Staff: Betty Lou Nash.



# Sergeant 'Bushed' But Safe, Healthy After 68 Hours in Capsule

Sea-going tests of the crew escape capsule for the B-58 Hustler were highly successful, Convair Fort Worth engineers said after an airman subsisted nearly three days and nights at sea in waters off Key West, Fla.

"Not that we don't still have some problems," said Tino Sierra, design engineer. "But the tests indicated that our basic design is fundamentally sound, insofar as enabling a downed airman to survive if he parachutes into water."

Capsule guinea pig was Air Force M/Sgt. William C. Barbour, 33, who rested, slept and ate in the capsule when he wasn't exercising on top or swimming around it. Test took 68 hours.

A Navy vessel dropped the capsule and occupant into the sea and stood by throughout the three-day test. The capsule floated free in daytime and was tethered to the Navy craft at night.

Watching the capsule as it bobbed in the ocean were repre-

sentatives from Wright Air Development Command; Stanley Aviation; Convair Fort Worth; U. S. Navy, and others.

Maintaining almost constant communication with Convair people on the scene was George C. Cherbonnier, material department senior buyer whose prime responsibility is obtaining a proper capsule from the maker, Stanley Aviation Corp. of Denver.

At the scene for Convair were Dr. Zane Gaut, who observed effects of the test on the airman; Al Cornell of flight; Jerry Ratliff and Earl Miller, who recorded the test in motion pictures and stills.

"That was one bushed airman," Dr. Gaut commented. "But he could have ridden it out even longer had it been necessary."

He said that the sergeant's physical condition afterwards was excellent and that he apparently experienced no significant discomfort.

Weather conditions varied from rain squalls and thunder storms (with winds up to 30 miles an hour) to periods of almost glassy calm under a hot tropical sun. Waves up to four feet high broke over the capsule at times.

The wedge-shaped escape capsule is approximately 24 inches at its widest point, 40 inches from front to back and 64 inches high. It is designed for ejection at supersonic speeds and would descend to earth's surface by parachute. It contains equipment, food and water for a minimum of 72 hours at sea. Equipment shares space with automatically operated machinery designed to restrain the occupant in an ejection position, close the capsule doors and pressurize the interior. When afloat four built-in "bladders" keep the capsule on the surface and upright.

## Four From SD Attend Toastmistress Meet

Four members of Convair's Delta Toastmistress Club No. 889 represented the group at the planning meeting of the Southwest Regional Conference of International Toastmistress Clubs.

Attending the meeting in Los Angeles last Saturday (Sept. 26) were Joyce Simon (Dept. 2-2), chairman of the Speakers' Bureau; Martha Woodberry (Dept. 3-2), hospitality chairman; Fran Leland (AF office), Council No. 7 chairman; and Marge West (Dept. 6-71).

Delta Club will join other clubs of Council No. 7 in hostessing the Southwest Regional Conference to be held in San Diego in June, 1960.



DECADE—Convair President Jack Naish, left, has been with Convair now for 10 years. He is shown receiving congratulations from I. M. Laddon, member of General Dynamics Corporation Board of Directors and former long-time Convair executive.

## Convair Makes Four Graduate Awards

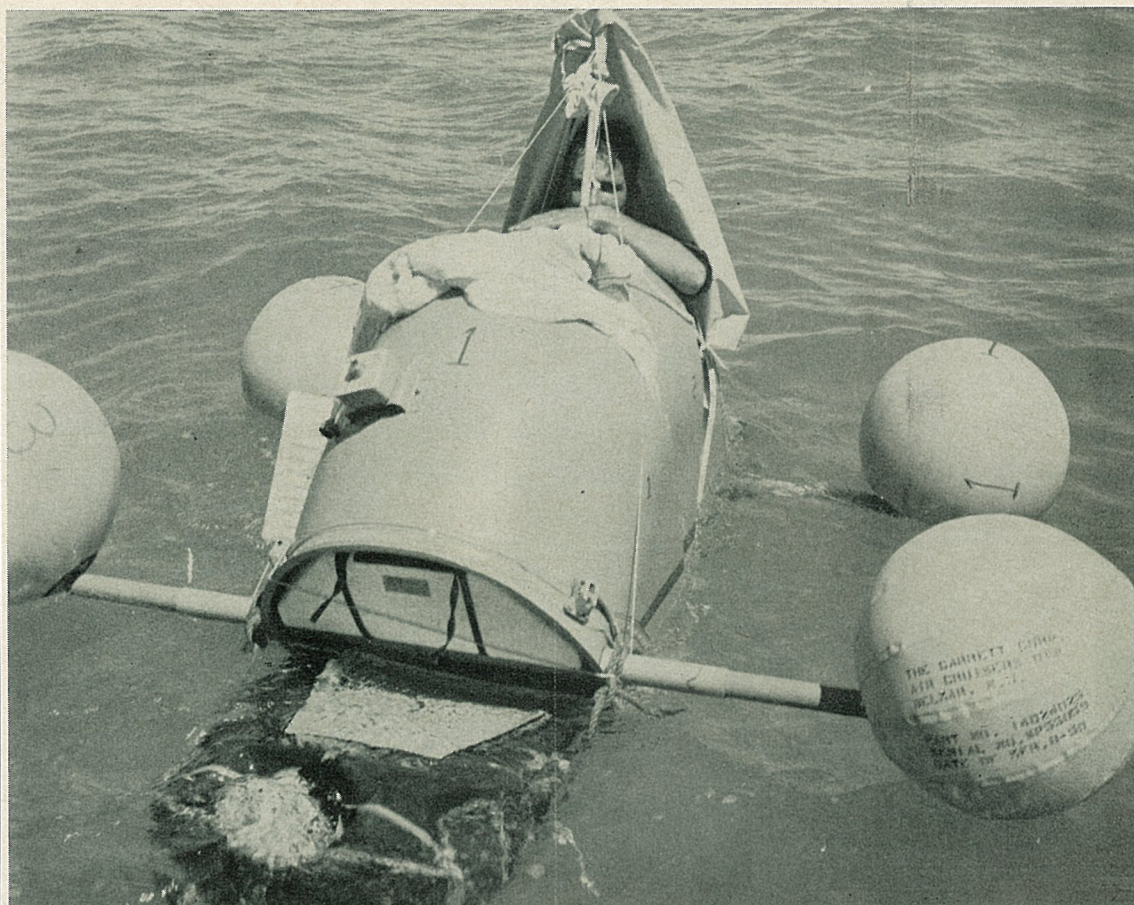
Four graduate scholarship awards have been announced by Convair San Diego Division.

The one-year awards, \$1,000 each, for 1959 have gone to Jorgen Aastad, working for his Ph.D. in electrical engineering at Stanford University; Russell C. Anderson, M.S. in mechanical engineering; Robert H. Borcherts, M.S. in nuclear engineering; and John M. Leinonen, M.S. in mechanical engineering, all three at the University of Michigan.

## 250 Enrolled at FW In 21 TCU Courses

About 250 are enrolled in 21 Convair FW Texas Christian University classes, according to Jess Putts of educational services.

Three classes, for which about 50 have registered, may be taken for graduate credit. Classes started Sept. 21 in the plant.



AT SEA—M/Sgt. W. C. Barbour, Wright Air Development Center Aerospace Medical Laboratory technician, is shown during his three-day cruise aboard B-58 escape capsule. Capsule is designed to carry crewman safely through supersonic ejection at high altitude, then land him by parachute. In water it becomes effective raft.

## Project Mercury Astronaut to Ride In Capsule Shaped Like TV Tube

(Continued from Page 1)

The capsule, from which the first astronaut will view space, is about seven feet in diameter at the base and 10 feet high. When in place it forms part of the Atlas missile's nose. A special boom, carrying escape rockets, towers above the capsule. This will be jettisoned after the capsule is actually in orbit.

McDonnell Aircraft Corp. is developing the capsule.

The capsule's passenger rides in a couch-like seat. At take-off and during re-entry of the atmosphere he is in a supine position (on his back) to better withstand "G" load during critical periods.

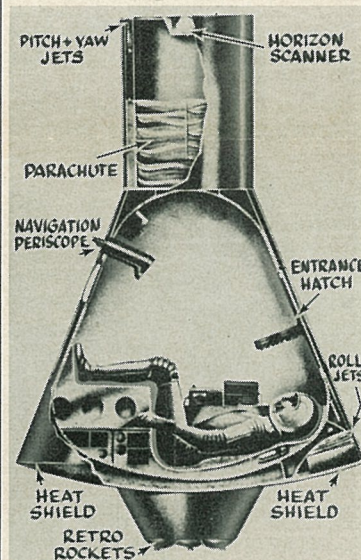
Entrance to the snug cabin is via a hatch at the side. A quick-opening door at one end will be used for exit at termination of the flight. The interior of the pressurized cabin contains environmental and control systems, communication equipment and instrumentation. A form-fitting suit worn by the astronaut provides a second, separate environment.

Inside the cabin, within easy reach, is a periscope and an array of flight and communications control panels. In another compartment are recovery parachutes and survival gear.

Across the capsule is a special heat shield and below the shield is a package of retro, or retarding rockets.

Present plans call for the capsule with its passenger to orbit the earth at an altitude of from

100 to 150 miles for as long as 24 hours. Special tracking stations and communications centers around the globe will keep in touch with the capsule. It is



expected that the astronaut will be in voice communication with the ground stations much of the time.

From takeoff to landing the entire operation is automatic. Interior controls, however, allow the astronaut to override the automatic devices at any time. Escape rockets allow the astronaut to eject from the entire capsule, should emergencies arise.

Normal countdown procedures are planned during the launch, with some added time for capsule subsystems. (Convair teams will

man the blockhouse for all Atlas shoots involved in Project Mercury.) Once launched, the Atlas follows normal staging. First the booster section falls away, then the sustainer engine burns out and special charges break away the cone and separate it from the missile body.

Once in orbit, the astronaut will be able to control pitch, roll and yaw from within the capsule. In the weightlessness of space, a simple jet-like charge is enough to change position.

As time approaches for descent, the astronaut fires his retro rockets, slowing the capsule until the earth's gravity takes effect and draws it earthward. For the arc of re-entry, the capsule position is turned base down.

Nearing the earth, a parachute opens to slow descent. Still closer, a second parachute blossoms to further reduce speed. As the astronaut will land in water, special flotation bags are arranged to inflate when needed. Survival gear includes a life raft, a radio that starts signaling when needed and a flashing beacon to attract recovery units.

Recovery operations will roughly duplicate those followed in nose cone and data capsule recoveries (Convairity, Sept. 16, 1959).

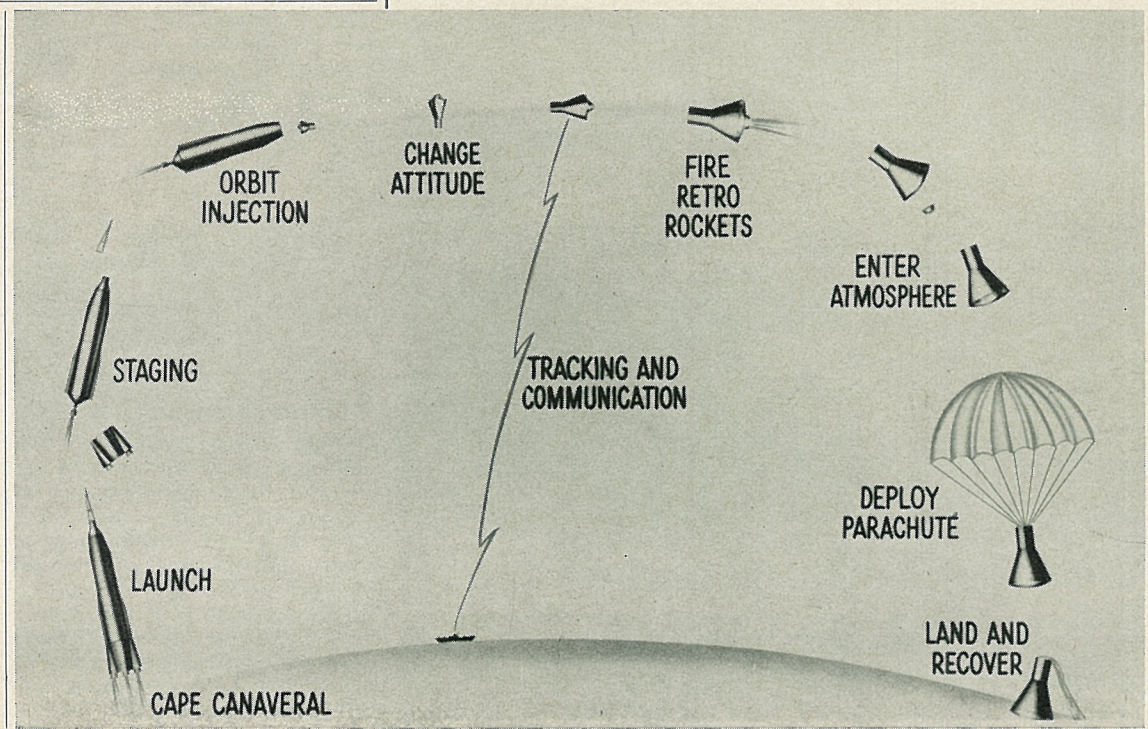
## F-102 Teams Will Compete

Six F-102 teams from the United States, Europe, and the Pacific area are in intensive training preparatory to the annual worldwide U. S. Air Force Gunnery Meet at Tyndall AFB, Fla., next month.

Project William Tell II, set for Oct. 14-23, will see Convair-built F-102As competing with other of the nation's long-range fighters in the weapons competition.

Crack aerial marksmen will represent the 525th Fighter-Interceptor Squadron at Bitburg, Germany, only F-102 squadron assigned to the North Atlantic Treaty Organization; 317th FIS from Elmendorf, Alaska; and 16th FIS based at Naha Air Base, Okinawa.

Squadrons chosen to participate from the three sectors of the United States will be 482nd FIS, Seymour Johnson, N. C.; 326th FIS, Richard-Gebaur, Mo.; and 460th FIS, Portland International Airport, Ore.





## Higgins Shifts To Astro Post

Effective tomorrow (Oct. 1), A. P. Higgins, manager of military relations for SD Division, will transfer to Astronautics Division as head of a new Atlas base activation department.

Meanwhile, R. L. Johnson, former Convair chief engineering test pilot at Edwards AFB, will join military relations at SD to specialize on the F-106 program. H. J. Richardson continues to supervise the military jet transport and related programs; W. R. Rauth continues in charge of electronics promotional programs; and W. H. Mollering heads administrative and military relations functions dealing with Army and Navy contacts.

Each of the four reports to SD Division Manager B. F. Coggan for promotional and administrative activities. For technical aspects of new developments in assigned product areas they will report to W. W. Fox, SD chief engineer.

## Convair Reservists In Same Squadron At Los Alamitos NAS

Six Navy reservists, hailing from three Convair divisions, this month completed 14 days of training with Anti-submarine Squadron 771 at Los Alamitos NAS, Calif.

They are R. O. Richardson (Dept. 1-52), H. B. Root (Dept. 288-2), J. A. Ballard (Dept. 271), J. A. Jette (Dept. 133), all Convair San Diego; A. H. Hoines (Dept. 576-1, Astro); and M. J. Hopkins (Dept. 24, Pomona). Hoines is commanding officer of the squadron.



**REUNITED**—Six Convair men got together recently during annual Navy Reserve training tour at Los Alamitos Naval Air Station. Left to right: J. A. Jette, ADR2; Lt. R. O. Richardson, electronics officer; J. A. Ballard, ADCRC; H. B. Root, AMH2; Cdr. A. H. Hoines; M. J. Hopkins, AN.

## Mother Cat and Five 'Satellites' Find Homes With Astro Families

Atlas and her five "satellites" have disappeared from the Astronautics plant after commanding attention for over three months.

Atlas is a mother cat, white with a grey tail and head. She first appeared in the CRA recreation area near the Astro plant about a year ago. At that time she was a "loner," keeping a safe distance from CRA volunteers working there. In time Atlas made friends with the four children of Jim Conklin of CRA. Her reserve diminished gradually.

About three months ago Atlas produced five kittens which were

promptly named Vega, Mercury, Centaur, Apogee and Terrier.

After moving her brood several times to different locations in the CRA area, Atlas settled for a time in the salvage yard and later set up housekeeping even nearer the plant. Employees fed them regularly and they were the pets of the area.

One by one the kittens were "adopted." Atlas herself and the last two kittens found a home with Mona Ormsbee of Dept. 215 who will consider offers to adopt one of the kittens. Call ext. 1300. Character references advisable.



**LUCKY KITTENS**—Atlas, mother cat, and kittens Vega, Centaur, Mercury, Apogee and Terrier seem to be leading happy life, cuddled by Paulette Veal, Carole Cooper, Joan Clifton and Mona Ormsbee of Astronautics.

## Safety Meetings at FW to Stress Fire Prevention Next Week

One hundred ninety-five lives were lost in 50 aircraft industry fires during 1958.

Major industrial fires during the same year numbered 261 with a total dollar loss of over \$52 million. (Major fire classification means a loss of at least \$250,000.)

Convair Fort Worth, because of the recent tragic burning of a B-58 Hustler, will be tabulated in these figures for 1959.

Prevention of another such disaster as well as any other fires will be stressed in all Convair departments during National Fire Prevention Week, Oct. 4-10, announced Fire Chief C. H. Jones of Convair FW.

The increasing number of B-58s in production means increased fire hazards at Convair.

How to deal with these hazards will be the subject for employee and supervisory safety group meetings before and during Fire Prevention Week, according to Chief Safety Engineer F. R. Temple.

Since this is the time of the year when people get their furnaces and stoves ready for cold weather, the meetings will also include instruction on prevention of home fires.

Convair FW, with about 2,400

fires including two airplane blazes since 1942, has a relatively low industrial fire record.

But it will not stay that way without constant vigilance of each employee, said Temple.

This is why Temple reminds Convair employees to remember all year long the prevention week slogan: "Fire Prevention Is Your Job, Too."

## F-102s Triumph In Rocket Test

The F-102-equipped 16th Fighter-Interceptor Squadron of Naha Air Base, Okinawa, proved the outstanding squadron of the Pacific area in a recent rocket-firing competition.

Scoring a perfect tally, the 16th FIS triumphed over all other squadrons in the Fifth Air Force in "Operation Small Change," a bi-annual rocket meet to test combat capability.

Top rocket-wielders, controllers, individual technicians, together with maintenance support, are determined on number of aircraft in commission, number of planes airborne, target hits, and planes returned to operation in minimum time. Pilots and ground-control directors submit detailed written examinations, results of which are included in the scoring.

Maj. Charles R. Foster commanded the winning squadron.

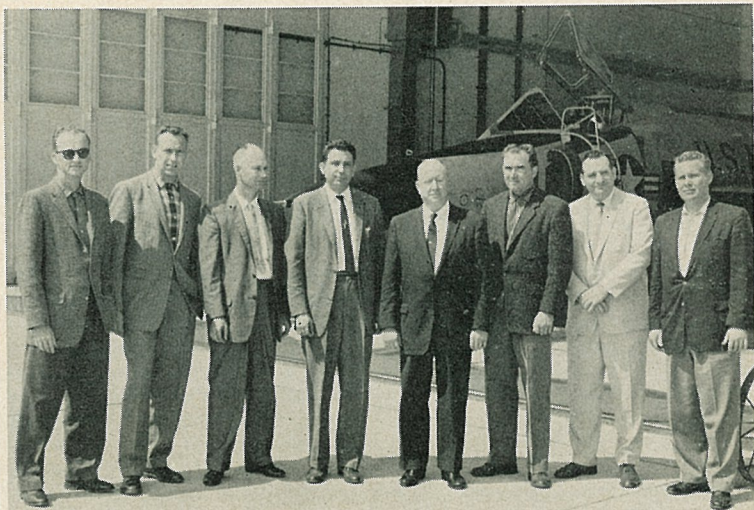
## SD Tool Engineers Meeting Scheduled

Student Chapter 23 of the American Society of Tool Engineers will meet Oct. 9 at 7:30 p.m. in the Machinist Union Hall on Pacific Hwy. in San Diego.

All charter members prior to April 10, 1959, will receive ASTE pins at the meeting. "A New Era in Tooling Through Magnesium" will be discussed by John R. Gibson of the Reliance Magnesium Co. of Los Angeles.

## SCHUBERT NAMED AREA GOVERNOR

Hal F. Schubert, Convair FW industrial engineer, president of Cowtown Toastmasters, has been named area governor in Toastmasters International. His area includes clubs in Denton, Arlington and Fort Worth.



**OVERSEAS**—Snapped at Bitburg AFB, Germany, with Convair field service reps attached to F-102-equipped 525th FIS during recent European trip are A. P. Higgins, assistant SD manager—military relations; L. E. Ottem, SD chief project engineer; and R. M. McIver, military relations. From left are O. B. Johnson; Norm Picard; Ottem; C. H. Clements, European area supervisor; Higgins; G. S. Mathews; McIver; and John Morris.

## Lunchtime Composer Produces Two New Tunes—Between Bites

Composing music on his lunch period is paying off for modern jazz pianist James A. Ecker of Convair Fort Worth's Dept. 35.

Ecker has been jotting down notes between bites of sandwich since arriving at Convair in 1956. Now he has two new records soon to be released on the Bayou label entitled "Jivaro" and "Monday Night at 8 p.m."

Ecker studied music at Boston University and now plays with the Curley Broyles dance band. He's also working throughout Fort Worth with the Harvey Anderson Jazz Group and has accompanied such singers as the Crew Cuts, Johnny Ray and Charlie Applewhite.

While in the Army, he had a television show in Lawton, Okla., and has done spot work for Fort Worth stations.



**INTERMISSION**—Convair FW's James A. Ecker pauses during intermission at local night spot. He is composer and arranger.



**"SILENT GEORGE"**—Opossum recently "hired in" at FW stationery stores on voluntary basis. Captured by B. J. Bain, L. K. Ellis and J. P. Gaston, all Dept. 4-5, and nicknamed George, mascot was released after disproving dictionary, which says an opossum, when caught, feigns death. George was wide awake and never batted an eye.

## 50-Word Essay on Good Neighborliness Wins 25-Day All-Expense Trip to Peru

Only 50 words—but because of them, C. Wayne Collum of Convair FW service engineering is enjoying an all-expense-paid trip to Lima, Peru.

"Just for fun" Collum recently wrote a contest essay on why he would like to attend the First Pacific International Fair in Lima.

Since he had worked in South America for two years, he had a genuine interest. He stressed a personal feeling of good neighborliness as his main reason.

Collum was at work on Sept.

12 when sponsors called to tell him he had won the 25-day trip.

"I almost fainted," Collum admitted.

Collum is combining his vacation with a leave of absence. He left with Mrs. Collum from New Orleans Sept. 23.

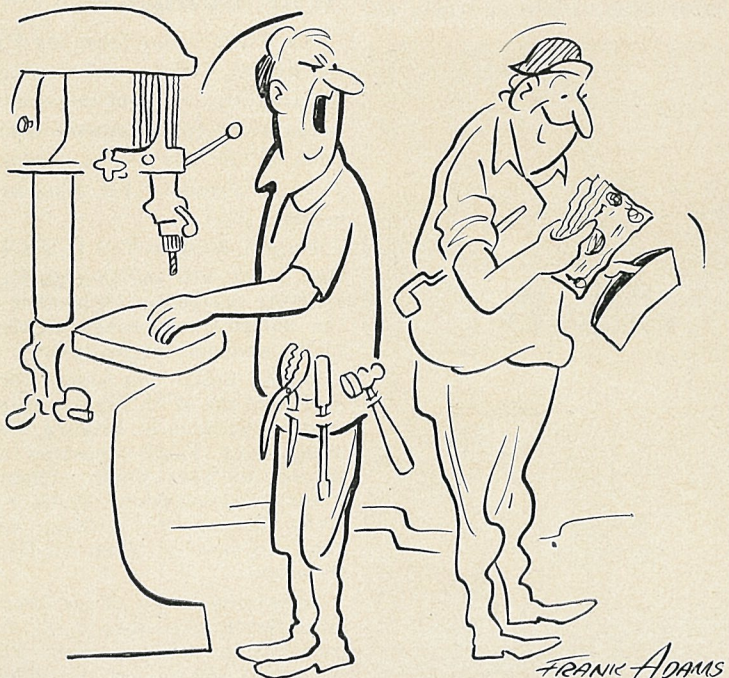
## Margaret Fahlstrom Given Scholarship

Margaret A. Fahlstrom of the materials and processes lab at Convair SD has been awarded a one-to-three-year scholarship to study medical microbiology at Stanford University.

The pre-doctoral scholarship is set up under the auspices of the National Institute of Health Research, Division of Analogies and Infectious Diseases.



"Well, I'll have to hang up now. I have a few things to rinse out."



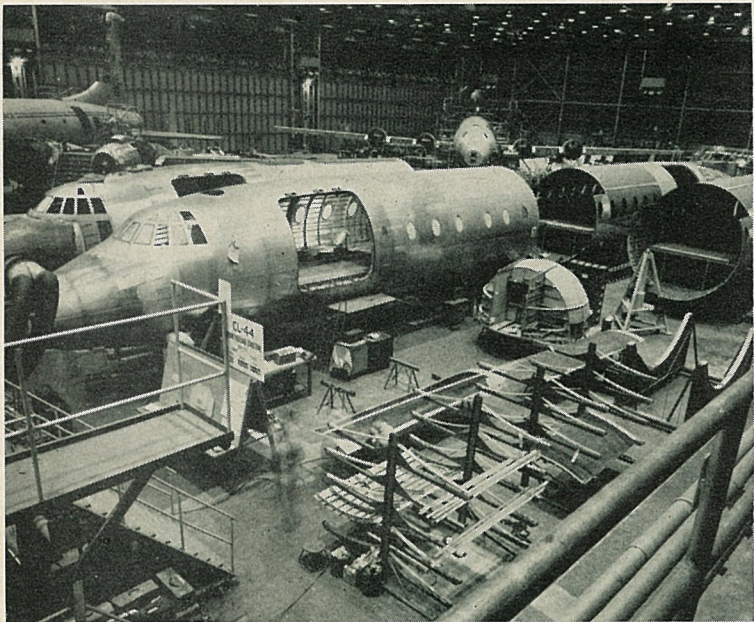
"Just borrow the tools you have to have, Crabtree . . . and put all that other stuff back where you found it!"



## NEWS FROM OTHER DIVISIONS OF GENERAL DYNAMICS CORP.

General Dynamics Corporation, created in April, 1952, as successor to Electric Boat Company, is composed of six divisions and a Canadian subsidiary, Canadair, Limited of Montreal, airframe builders. The divisions are:

- Convair, head offices at San Diego, Calif., aircraft, missiles and space systems.
- Electric Boat of Groton, Conn., submarines.
- Stromberg-Carlson, of Rochester, N. Y., telecommunications, electronic equipment.
- Liquid Carbonic of Chicago, Ill., carbon dioxide producer, industrial and medical gases.
- General Atomic of San Diego, Calif., nuclear research, development, production.
- Electro Dynamic of Bayonne, N. J., electric motors, generators.



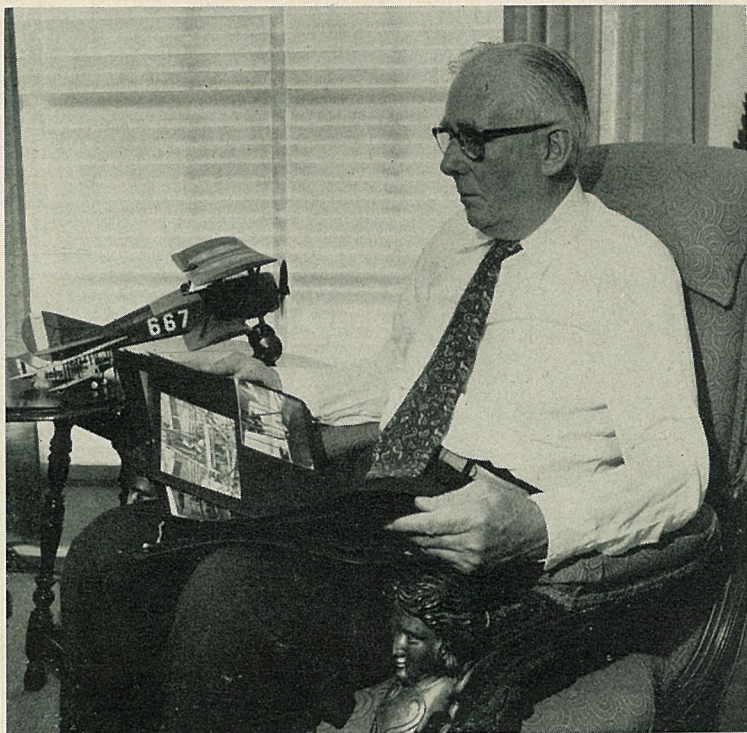
**PROGRESS**—Airframe assembly of second Canadair CL-44 turboprop is well advanced. Fuselage and wings have been mated and tail is being added.

### CAPITAL PR OFFICE IN NEW LOCATION

WASHINGTON, D. C.—General Dynamics Corporation public relations office here is now located in new accommodations at 1710 H. Street N.W. The new telephone number is REpublic 7-5151.

Besides the corporate office, divisions represented are Convair, General Atomic, Electric Boat, Stromberg-Carlson and Canadair Services, Ltd. Night telephone numbers for these divisions are:

- Canadair Services Ltd.  
RE-7-5155
- Convair RE-7-5156
- Corporate Office RE-7-5157
- Electric Boat RE-7-5158
- General Atomic RE-7-5159
- Stromberg-Carlson RE-7-5160



**NOTED DESIGNER**—B. Douglas Thomas, prominent designer of early aviation days, is shown in his La Jolla, Calif., home where he has retired. He left Consolidated on "leave of absence" more than 25 years ago. Last week he joked, "I may come back to work one of these days."

## Model J Plans Drawn In 'Tent' Office Abroad

(Following is installment No. 18 in Convair's continuing history of Convair. This and Sept. 16 installment deal with early days of Thomas Aeronautical Co. and Thomas-Morse.)

B. Douglas Thomas (no relation to William T. Thomas who founded Thomas Aeronautical Co., Convair, Sept. 16, 1959) came to the United States in 1914 at the request of Glenn Curtiss.

B. Douglas was born in England, Nov. 27, 1891 and had entered the Vickers Sons & Maxim plant at Erith in 1907 as an engineering apprentice. He spent most of the four-year period in Vicker's aviation division. In 1912, when he was 21, Thomas took employment as assistant chief engineer with the newly founded Sopwith Aviation Co. of Kingston-on-Thames. The plant was a former roller skating rink and the engineering department occupied the old orchestra balcony.

One day in 1913 the noted American aviator, Glenn H. Curtiss, visited the plant. He was touring British aviation establishments while en route to Russia where he hoped to open a factory.

"I was too shy to talk to him, but I tagged along while he went through the plant," Thomas has recalled. "He spent half the day with us."

"I rarely went to London, but that night I happened to be there. When it started to rain I ducked

into a little shop on the Strand for shelter. Another fellow was there, reading a paper. After a moment he lowered it, looked at me, and spoke. It was Curtiss. I was amazed that he remembered my face."

The two struck up a conversation. It developed that Curtiss was interested in building a "British-type" tractor biplane, a design to which Sopwith and

B. Douglas Thomas left Consolidated in the early '30s on "leave of absence" and for the last 20 years has been a resident of the San Diego area, in retirement. A son, Andrew M. Thomas, is a design specialist in engineering at Convair Pomona and soon will receive his 20-year pin.

other European manufacturers were turning. (In America the pusher was still dominant.) Curtiss was leaving for Paris and offered to pay the way if Thomas consented to accompany him for further talks. The young engineer made the trip. Influenced by Curtiss, he resigned from Sopwith and began designing the Model J. This became one of the first American aircraft of "modern" configuration (having propeller, radiator, engine and cockpit arranged on the same axis, and with the engine and cockpit enclosed).

The winter was mild and Thomas used a tent in his yard as a draftsman's office.

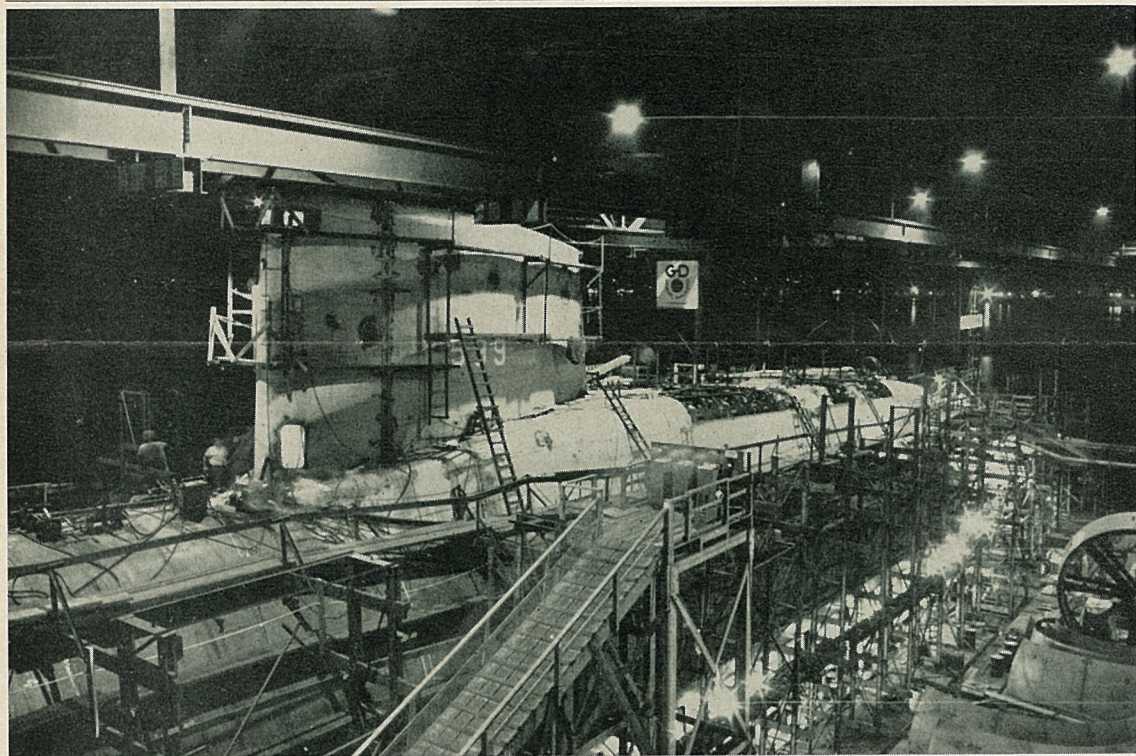
"I had to draw the plane, stress it, and make up the whole bill of materials," he recalled later. "They sent me a photograph of the Curtiss OX engine but no dimensions. I had to do some guessing there. And I had to travel 20 miles to get blueprints made."

Thomas forwarded the plans to Curtiss at Hammondsport, N. Y., as work progressed. He had no settled agreement with the American, and suspected he might wind up in Russia as manager of a Curtiss factory. He received a cable in April, 1914, however, which he recalls as reading simply: "Come on over. Curtiss."

He sailed as soon as he could pack and arrived in New York City May 2.

### University of Iowa Alumni Organizing

A call is out to all graduates of the University of Iowa at Convair Astro and SD to make themselves known. John Gustason of Convair SD engineering and Keith Blair, SD chief librarian, are spearheading an effort to form an alumni association within Convair. All alumni of the Iowa City school are urged to call Gustason, ext. 2070, or Blair, ext. 1543, at Plant 1.



**LAUNCHED**—Night shift photo at Electric Boat shows last-minute rush to ready ballistic submarine Patrick Henry for launching last week. Less than 16 months have elapsed since keel laying, a construction record for nuclear subs.

## Electric Boat Launches No. 7 Atom Sub in Record 16 Months

GROTON—Electric Boat Division's seventh atomic submarine, the Patrick Henry, was launched here last week (Sept. 22).

None of her predecessors took shape so rapidly, however, for it has been less than 16 months since the keel for the 380-foot, 5,400-ton, ballistic missile (Polaris) sub was laid. Electric Boat pulled out all the stops in an accelerated production drive. They chopped two months off their best previous efforts, established on the pioneer atom sub Nautilus and equalled on the first missile ship, George Washington.

Even post-war conventional subs, involving no complex systems like nuclear propulsion and ballistic missile weapons, consumed more construction time on the ways than the highly complicated Patrick Henry.

The Patrick Henry will have special stabilizing equipment to provide a smooth ride even when on the surface in heavy seas. The Patrick Henry will roll very little because it has an automatic torque-resisting device known as a gyro-stabilizer mounted within the ship's hull. A small sensing gyroscope picks up the first indication of a rolling motion and activates an hydraulic system which keeps the ship on its hori-

zontal plane, resisting the rolling force of wave action.

The gyro-stabilizer weighs 50 tons and the Navy considers inclusion of this device well worth the space investment.

The equipment is manufactured by Sperry Gyroscope with General Dynamics responsible for installation.

★ ★ ★

GROTON—The keel for the nuclear submarine Ethan Allen, lead ship of a new class of fleet ballistic missile (Polaris) submarines, was set down without ceremony Sept. 14 in the North Yard at Electric Boat Division. The sub is named for the frontier hero who led the Green Mountain Boys of Vermont in Revolutionary War action.

Subs of the Ethan Allen class will be 410 feet long, an increase of 30 feet over the original Polaris-firing sub, George Washington, which is now being outfitted for sea trials here.

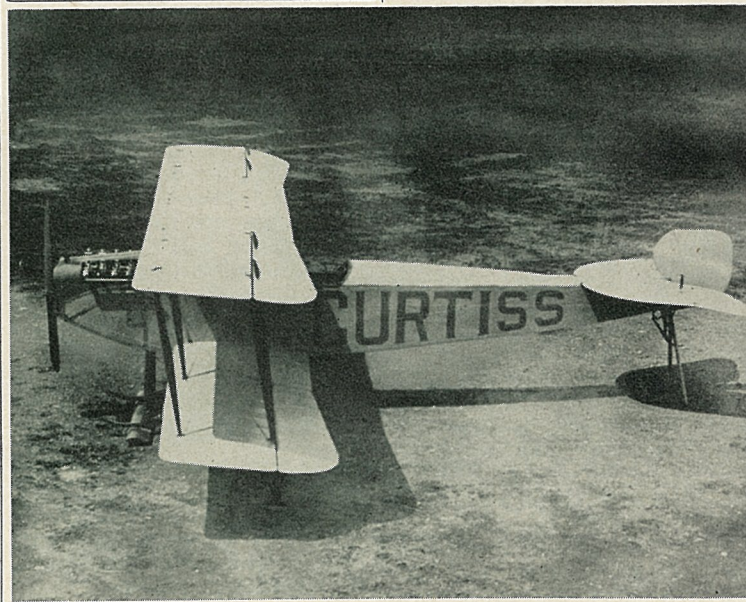
### STROMBERG NAMES MARKETING MANAGER

SAN DIEGO—Appointment of Warren C. Dunn as manager of marketing for Stromberg-Carlson at San Diego has been announced by Dr. Donald G. Wilson, general manager.

### SECURITY SOCIETY ELECTS EB MAN

LOS ANGELES—Eric L. Barr Jr., industrial security director of Electric Boat Division, has been elected president of the American Society for Industrial Security during the Society's annual convention here.

Previous posts held by Barr in the organization have been secretary and second vice president.



**MODEL J**—This was airplane that B. Douglas Thomas designed while working in tent in England, shipping plans to Hammondsport, N.Y., where it was built. From this ship, and Model N, famous World War I "Jenny" was developed.





CRA ENTRY—Antelope Valley Convair Recreation Association float travels down Lancaster Blvd. in parade opening Antelope Valley Fair and Alfalfa Festival Sept. 11. All major CRA-sponsored activities were represented on float.

## Activities Sponsored by CRA Displayed on AV Parade Float

All major activities sponsored by Antelope Valley CRA were represented on Convair's entry in the annual Antelope Valley Fair and Alfalfa Festival parade.

Following the Fair's theme, "The 50th District Salutes the 50th State," the float carried a streamer reading, "The Recreation Twins."

The CRA float consisted of a flat-bed truck driven by Al Striplin (Dept. 324) pulling a boat labeled, "SS Convair." Riding on the float to represent the various activities were Cliff Steiger (Dept. 324), bowling; Bette Van Proyen (Dept. 329), women's activities and riding; L. H. Thomas (Dept. 325-2), Formula K racing; Ted Knox (Dept. 321-1), softball; Milton "Sparky" Shapiro (Dept. 321-2), Pistol Club; C. L. Willey (Dept. 323-0), basketball; and Donn Walsh (Dept. 321), Gun Club.

Children participating were Dan Striplin and Lonnie Gould. Dar-

## Wives to Hold First Luncheon

Antelope Valley Convair Wives Club will hold its first luncheon meeting of the new club season tomorrow (Thursday) at Aleck's Valley Club in Lancaster.

A social period will begin at noon and luncheon will be served at 1 p.m. The luncheon will be preceded by a card party beginning at 10 a.m. Chairman Marge Gore announced that tables will be set up for bridge, canasta, and any other games desired.

The next business session is slated for 7:30 p.m. Oct. 20 at Aleck's. According to publicity chairman, Vi Everett, business sessions will be held regularly at 7:30 p.m. on the third Tuesday of each month at Aleck's. Luncheon meetings are slated for the first Thursday of every other month.

At the opening business session Sept. 15 at Aleck's Mrs. Evelyn Dougherty of the Bureau of Public Assistance spoke on welfare problems in Antelope Valley and what Convair Wives' Club can do to assist.

## CONVAIR SD GOLFER COPS CHAMP TITLE

A Convair man, William Glithero (on loan from SD to Palmdale Dept. 324), scored 69 to take the championship flight title at the September golf tournament sponsored by Antelope Valley Management Club.

Five aircraft companies participated in the event at AV Country Club with North American scoring a composite average of 71.6 to take first place. Douglas placed second with 72.6, and Convair was third with 73.7.

Another Convair high scorer was V. A. Brown (Dept. 321), who scored 71 to take second place in the championship flight.

ren Finney (Dept. 324-4), his daughters and Striplin's daughters rode on the boat.

In charge of float arrangements were co-chairmen, Striplin and Mrs. Van Proyen, assisted by Thera Campbell (Dept. 329), Mel Walsworth (Dept. 325), Finney, and Thomas.

## New Discounts Now in Effect For Convair AV

Changes in Disneyland and Pacific Ocean Park discount ticket books available to Convair employees and their families are now in effect, according to J. T. Schultz of Palmdale employee services section.

Employees who have previously registered in Disneyland's Magic Kingdom Club are advised that their membership cards have expired and that they must reregister if they are to obtain the special "Magic Key" discount books at Disneyland.

The new books are good for admission to the park and 10 rides or attractions in any price range. The purchaser may use all 10 tickets for 50-cent rides if he so desires. Books cost \$3.50 for adults (\$6.50 value), \$3 for juniors (\$6 value), and \$2.50 for children (\$4 value).

They may be purchased at Disneyland upon presentation of a Magic Kingdom membership card available free of charge at Palmdale employee services, Edwards and MSTs industrial relations offices. One card is good for the entire family.

Registration also entitles members to compete for "Family of the Month" awards with winners to be selected from among industry employees and service personnel registered in the club. Three families are selected each month to receive expense-paid weekends at Disneyland and Disneyland Hotel.

Reduced rates are in effect at Pacific Ocean Park to Convair employees presenting discount tickets available at the three Antelope Valley facilities. Although the tickets are printed with the old rate, the new rate will apply to holders purchasing discount books at the park. Employees are advised to obtain one ticket for each family member.

The new, reduced rate is \$2.75 for adults, \$2.50 for juniors, and \$2.25 for children. This includes admission to the park.

## PARADE ENTRY WINS FOR CONVAIR SON

Daryl Van Proyen, 11-year-old son of Bette Van Proyen (Palmdale Dept. 329), won third place in the children's mounted division of the AV Fair parade. Daryl drove a sulky pulling a hot-rod with a banner reading, "The Old Gray Mare is Still the Best."

## NEW PHONE NUMBER AT EDWARDS BASE

A new telephone number for Edwards Air Force Base went into effect recently with the changeover from a manual to a dial switchboard. Persons calling Edwards now ask for CLifford 8-2111, instead of the former EDwards 1101 number.

Persons calling the Convair facility at Edwards ask for the CLifford number to reach the base and then ask the base operator for the extension of the office desired at the Convair facility. In its new quarters, Convair facility does not have a central switchboard.

Extension for the facility manager's office is 24571, and for the industrial relations office, 25541.

## Myers to Head Test Pilot Group

Charles E. Myers Jr., chief test pilot at Convair Edwards facility, will be installed as president of the Society of Experimental Test Pilots at the annual three-day symposium Oct. 8-10 at Beverly Hilton Hotel, Beverly Hills. Myers held the post of vice president during the past year.

Principal speaker at the Saturday luncheon meeting will be T. G. Lanphier Jr., Convair vice president.

Topic for the symposium is "The Test Pilot's Role in the Exploration of Space." Myers will participate in a panel discussion on "Cockpit Presentations for Energy Management" at the Saturday morning session.

E. D. "Sam" Shannon, staff assistant to W. W. Fox, chief engineer at Convair San Diego, will receive the award of honorary fellow at the Saturday evening awards banquet in recognition of his subsonic and supersonic flight test activities. Shannon was Convair's chief pilot during the initial phases of the F-102 program.

## Arlene Knox Wins Sweepstakes Award

Arlene Knox, wife of Ted Knox (Palmdale Dept. 321) won the sweepstakes award in the table-setting division at Antelope Valley Fair and Alfalfa Festival. Her prize-winning entry was a luncheon setting for a "Come to the Fair" barbecue.

In addition, she won a second-place ribbon for a baby shower arrangement and took two awards in the clothing division.

## Lunch Periods Set For Overtime Workers

One half-hour lunch period for all employees working on overtime and holidays has been established at Convair Palmdale facility, W. H. Rumbaugh, facility manager, announced.

Employees on first shift will have their lunch period from 11 to 11:30 a.m. only, and those on second shift will lunch from 7:30 to 8 p.m.

## Antelope Valley Square Dancers Join 10,000 at So. Calif. Party

Three squares of Antelope Valley Convair dancers joined with 10,000 square dancers from throughout Southern California at a gala party held Sept. 20 at the new Los Angeles Sports Arena.

Sponsored by A Square D, the dance was an observance of State Square Dance Week proclaimed by Governor Brown. Heading the AV Convair contingent were Tom Chatten (Dept. 321), sixth district A Square D representative; and June Richard (Air Force office at Convair Palmdale) and John Pierce, delegates from CRA-sponsored Joshua Jumpers.

Convair people still have two more weeks in which to register for the new beginners' instruction course, which opened last Sunday (Sept. 27) at CRA Clubhouse. Beginners will be accepted for registration at the Oct. 4 and Oct. 11 sessions and after that the class will be closed.

Sessions will continue for a total of 18 weeks with classes beginning at 7:30 p.m. each Sunday at the Clubhouse.

Joshua Jumpers will hold their regular dance from 8 to 11 p.m. Saturday, Oct. 10, at CRA Club-

house, with Joel Orme as caller. George Elliott will call for the twirlers from 8 to 11 p.m. the preceding Saturday (Oct. 3) at Joshua School.

## Four Promoted To New Posts At Edwards AFB

Four new department chiefs have been named at Convair Edwards facility to succeed chiefs transferring to other Convair facilities, it was announced by facility manager, V. L. Allwardt.

A. "Tommy" Thompson has been promoted from assistant supervisor to chief of inspection. Thompson joined Convair San Diego's inspection department in June of 1942, terminated after the war in 1945, and rejoined Convair in 1950. He came to Edwards as field and service inspector in April of 1954 and was promoted to assistant supervisor Jan. 9, 1956.

Chet Hill replaces Harvey Sterling as chief of field operations. Sterling is transferring to Omaha.

Succeeding Les Green, transferred to Omaha, is John Gosnell as chief of instrumentation.

Don Rheame is chief of material and manufacturing control, succeeding John Zathan who has transferred to Cheyenne. Rheame joined Convair San Diego in 1942 in tool manufacturing and control department. After a short absence from the company in 1943, he rejoined Convair and came to Edwards as material control assistant foreman in December of 1954.

## Little Theater Group To Organize Oct. 8

A meeting to organize an Antelope Valley CRA Little Theater group has been called for 7:30 p.m. Thursday (Oct. 8) at CRA Clubhouse by Bette Van Proyen, commissioner of women's activities.

All Convair employees at Palmdale, Edwards, and MSTs and their families are cordially invited to attend. Persons interested in any form of theater work including the many back-stage activities as well as acting, directing, and writing are urged to turn out for the initial meeting and express their opinions on plans for the new club.

Mrs. Van Proyen anticipates that the group will present future entertainments for company parties such as the very successful "Gaslight Gaieties" presented earlier this month.

## Log Book Entries Promotions

**EDWARDS AFB**  
Promotions to or within supervision effective Sept. 14:

Dept. 303-0, Model 8 Flight Test Operations—Edwards AFB: To chief of instrumentation—EAFB, J. K. Gosnell. To chief of field operations—EAFB, C. O. Hill. (Dept. 303-4) To foreman, W. G. Hawkins.

**MSTs**  
Dept. 575-3, Convair Operations: To asst. foreman, H. Paulson.

**PALMDALE**  
Dept. 328-0, Inspection—Palmdale: To chief of inspection, H. L. Anderson. To inspection general supervisor, J. D. Tate.

## Service Emblems

**EDWARDS AFB**  
Service emblem due Sept. 27.  
Ten-year: Dept. 303-6, C. E. Adams.

## Births

**ANTELOPE VALLEY**  
ADAMS—Son, Mark William, 7 lbs., 8 oz., born Sept. 18 to Mr. and Mrs. Cliff Adams, Dept. 303-6 (Edwards AFB).

## Deaths

**ANTELOPE VALLEY**  
GOODE—James Virgil, Dept. 321-1 (Palmdale). Died from heart attack Sept. 11. Survived by widow, Willa Mae, of Lancaster; mother, Mrs. Maude M. Goode; and brother, Robert W. Goode, both of San Diego. Interment at Ft. Rosecrans National Cemetery, San Diego.

## Formula K Club Races Sundays

With the advent of cooler fall weather in Antelope Valley, Formula K Club has gone back to holding regular races on Sunday afternoons at Convair Palmdale parking lot. Races were held Saturday evenings during the summer to escape the heat.

The next race is scheduled for Sunday (Oct. 11) with time trials to start at 1 p.m. and regular race events at 2 p.m., according to Commissioner L. H. Thomas. Races will continue on this schedule every other Sunday afternoon during the fall and winter.

At the Sept. 19 race, quarterly trophies were awarded to Mike Brottlund, boy's Class A trophy dash; Lonnie Gould, boy's Class AA; C. A. Mann, men's class A; Ronnie Tucker, men's Class AA; and Chuck Connors, men's Class B.

Sportsmanship trophies went to Y. E. Patterson and Mike Mann.

## CRA Discount Tickets

The following discount tickets are now available through Palmdale employee services section, Edwards and MSTs industrial relations:

**CORRIGANVILLE** — One-half price passes good any Saturday, Sunday, or holiday.

**DISNEYLAND** — Membership cards for Magic Kingdom Club allowing ticket purchases at reduced rates.

**MARINELAND** — Discount tickets at \$1.75 for adults, 50 cents for juniors 7-17. Children under seven free.

**PACIFIC OCEAN PARK** — Coupon exchangeable at Pacific Ocean Park for special discount ticket book.

**SANTA'S VILLAGE** — Employee exchange coupon good for discount on Family Plan Book purchased at Village.

## Food Service Offered Weekend Work Shifts

Sawyer's Catering Service is now providing mobile food service at Convair Palmdale facility on Saturdays, Sundays, and holidays when a work force is on duty at the plant.

This service is in lieu of service at the cafeteria, which is not open weekends and holidays unless an unusually large work force is called out.

The mobile service is in operation for one lunch period only on each shift — 11 to 11:30 a.m. on first shift, and 7:30 to 8 p.m. on second shift. Carts are located on the south side of Bldg. 307 and on the flight line.

Sawyer's also provides mobile service daily for third-shift employees.





ROLL INTO ACTION—In shot at right, Convair Friday Night League keglers start 'em down the lane at Sands Bowl. At left are new officers (left to right) Danny Williams (Dept. 321), vice president; Frank Mortimer (Dept. 324), president; Dorothy Duncan (Dept. 324), secretary-treasurer; M. J. Switzenberg, league organizer.

## Four AV Bowling Leagues Roll Into Winter Season

Four leagues of Antelope Valley Convair bowlers have started the fall and winter season of competition at Sands and AV Bowls in Lancaster.

The Ball and Chain League, rolling Sundays at 7 p.m. at the Sands, is made up of two couples per team. Results of their Sept. 20 opening session were not available at presstime.

Also at the Sands, the Convair Friday Night League opened play Sept. 18. This is a handicap league made up of 12 teams of five bowlers per team. Officers elected are Frank Mortimer (Dept. 324), president; Dann/Williams (Dept. 321), vice president; and Dorothy Duncan (Dept. 324), secretary-treasurer.

The opening night of play ended with Team Ten and Regals tied with four wins and no losses. P. Purdy rolled 495 and M. Gilson rolled 190 for women's high series and game. Top scorers among the men were J. Nolesavich, 565 HIS; and W. Reusch, 231 HIG. Team Ten took WTS with 2627, and Part-Less Partners rolled 943 WTG.

The Thursday Night Astro Handicap League, made up of eight five-man teams, opened play Sept. 17 at the Sands. Leading the league were Designers and Team Seven, each with four wins and no losses. Tops for the first week were G. Zwicker, 605

HIS; DeLorenzo, 219 HIG; Scrutinizers, 2660 HWTG; and Team Three, 891 HWTG.

Convair Wives have joined with wives of other aircraft company employees to form the Aircraft Wives League, rolling Tuesdays at AV Bowl. At the end of the opening session Sept. 15, Team Four, Tail Spinners, and Vigilettes were in a three-way tie for the lead, each with three wins and one defeat.

Chalking up the top scores were M. Knapp, 513 HIS; C. Bowlers, 191 HIG; Team Four, 1933 HWTG; and Vigilettes, 682 HWTG.

## Shuffleboard Awards Go to Dept. 325 Men

CRA trophies were presented to six shuffleboard champions at the conclusion of the recent in-plant tournament at Convair Palmdale.

Taking honors among first-shift contestants were Ben DeHaven and R. J. Byars, while Tony Cruz and Paul Moody were the winners on second shift. R. L. Dickinson and Karl Starling led the field on third shift. All winners are from Dept. 325.

The month-long tournament drew 30 contestants, CRA Commissioner Mel Walsworth reported.



CHAMPS—Antelope Valley CRA Commissioner Mel Walsworth (at right) hands over shuffleboard trophies to first-shift champions Ben DeHaven (at left) and R. J. Byars (center), all of Palmdale Dept. 325.

## CRA Calendar

(Convair Antelope Valley Recreation Association has over 20 activities in action. For further information call CRA office, ext. 331, Palmdale.)

### Antelope Valley

**BOWLING** — Convair Wives League rolling at 2 p.m. each Tuesday at AV Bowl. For further information call president Jerry Klomparsens, WH-2-3712. Convair Ball and Chain League playing at 7 p.m. each Sunday at Sands Bowl. For further information contact league president Sam McCracken (Dept. 321-1). Astro MSTG League bowls at 6:30 p.m. Thursdays at Sands Bowl. Convair League rolling at 6:15 p.m. each Friday at Sands Bowl.

**COIN CLUB** — Club resuming activities following summer lay-off with a barbecue scheduled for 6:30 p.m. Oct. 14 at home of Harry and Mary Albrechtsen. For further information call Chuck Willey, ext. 331, Palmdale, or Len Telford, WH-8-2387, evenings.

**FORMULA K CLUB** — Races every other Sunday afternoon at Convair Palmdale parking lot. Next race Oct. 11. Time trials at 1 p.m. and racing at 2 p.m. For information call L. H. Thomas, ext. 486, Palmdale or CRA office, ext. 331.

**GUN CLUB** — Practice trap shoot at 9 a.m. Sunday (Oct. 4) at CRA trap range. Pistol shoot at 9 a.m. Oct. 18 at Mira Loma range. For use of trap range and club reloading equipment any time call Donn Walsh, WI-7-5847.

**HORSEBACK RIDING** — Special rates for Convair employees and their families at Quartz Hill Stables. Group riding lessons now being organized. To enroll contact CRA office, ext. 331, Palmdale. For riding reservations call the stables, WH-3-4316.

**MODEL PLANE** — For information contact Don Graham, Palmdale flight line, or CRA office, ext. 331.

**SQUARE DANCE** — Beginners' classes from 7:30 to 10 p.m. each Sunday at CRA Clubhouse. For information contact commissioner Thera Campbell (Dept. 329).

**THEATER GROUP** — Organizational meeting for Little Theater group at 7:30 p.m. Oct. 8 at CRA Clubhouse. For further information contact CRA office or women's activities commissioner Bette Van Proyen (Dept. 329).

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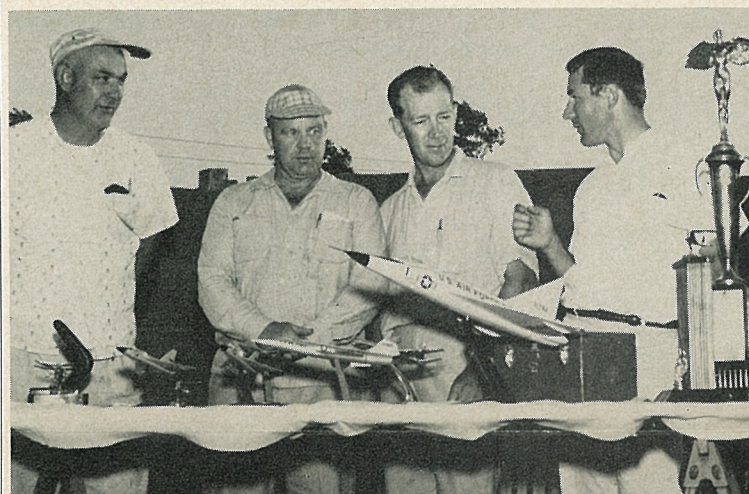
### Holloman

**BOWLING** — For information on league play contact Dave Tapper.

**CONVAIR WIVES CLUB** — Mrs. M. D. Humphreys, president.

**GOLF CLUB**—For information contact John Fitzgerald.

## CRA Sports & Recreation Convairiety



TOP GLIDERS—Left to right, John Williams of Convair SD Dept. 6; Paul Bikle of AV Soaring Club, overall winner; Lyle Maxey of Downey; and Jack Lambie receive trophies for standings in West Coast Soaring competition sponsored by AV Soaring Club at El Mirage Field recently.

## Paul Bikle Is Overall Winner At West Coast Soaring Meet

Antelope Valley CRA Soaring Club was well represented at the recent West Coast Soaring competition at El Mirage field sponsored by Antelope Valley Soaring Club with sanction of the Soaring Society of America.

Convair people officiating were Paul LaFrenier (Dept. 322-0), operations manager; Art Williams (Dept. 324-2), assistant operations manager; Mark Anderson (Dept. 321-6), Jim Moeller (Dept. 328) and Clark Spillers (Edwards Dept. 303), all turn-point observers; and CRA Council president Tom Johnson (Dept. 322-0), meteorologist.

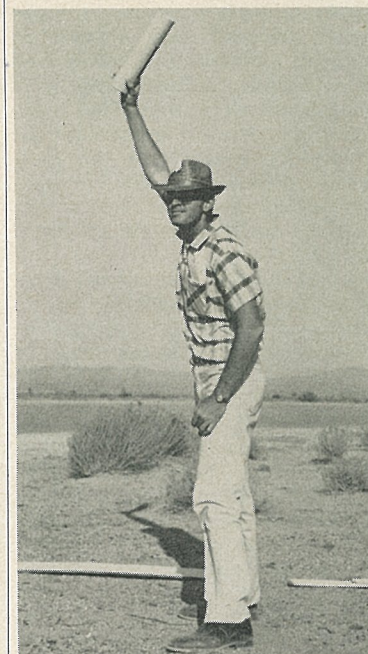
Twenty sailplane entries from all sections of the West Coast made this one of the largest soaring contests ever held in this section of the country.

Overall winner of the meet was Paul Bikle of the AV Soaring Club, who won the perpetual trophy awarded by Helms, the meet trophy donated by Antelope Valley CRA, and an F-102 model donated by Convair San Diego. AV Convair Management Club also was among the organizations donating trophies for the meet.

Lyle Maxey of Downey, one of the outstanding contestants in the international meet held last year in Poland, took second place piloting an AV-built, all-metal, high-performance sailplane.

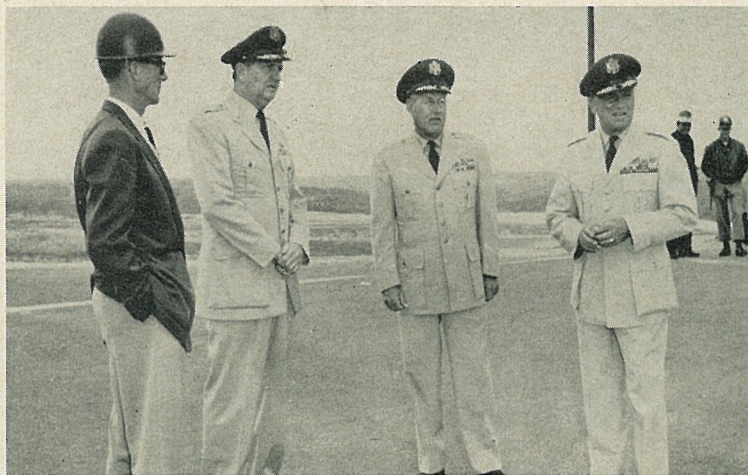
Third place went to John Williams of Convair San Diego Dept. 6, who also won the trophy for the fastest task speed recorded during the meet. Jack Lambie took fourth place overall and placed first in the medium performance class.

Three Convair Palmdale soaring enthusiasts—Williams, Anderson, and Johnson—are rapidly approaching solo status under tutelage of the AV Soaring Club, parent group to the CRA Soaring Club. They are taking instruction in the club's Schweizer TG-3 sailplane. The club also now has in use the special gold-plated 100th model Schweizer 1-26 sailplane recently received in Antelope Valley (pictured in Sept. 2 issue of Convairiety).



MEET OFFICIAL—Tom Johnson, CRA Council head, waves thermometer aloft to take temperature at finish line of soaring meet.





**CHEERS**—Top brass was on hand for first Atlas launching at Vandenberg AFB, Calif., Sept. 9. In top picture, from left, are F. H. Miller, Convair manager at Vandenberg; Maj. Gen. Davis Wade, 1st Missile Division commander; Gen. Thomas Power, SAC commander; Maj. Gen. A. J. Old Jr., 15th Air Force commander. Below, Miller reads next day's newspaper.

## SD Develops Electric 'Stick' For Flying Super-Fast Planes

Development is well advanced at Convair SD on a radically new system for piloting the unbelievably fast-flying aircraft of the future.

It involves electricity and "black boxes" to operate control surfaces, instead of conventional mechanical means. The pilot's control inputs are transmitted to hydraulic control surface systems by wires and electronics instead of mechanical linkages.

"The control requirements of many higher-performance flying craft are such that human response limitations must be compensated by automatic control systems if the pilot is to accomplish his mission successfully," explained E. H. Price, project supervisor.

The "electric stick," a small side-located stick about six inches in length, replaces the conventional control stick used on most planes. Operating forces are only a third of those employed with the present center stick.

Force transducers generate electrical signals to command aircraft responses. Signals are transmitted to electronic computers which act as "brains" to determine proper control surface deflections.

"The new electronics control system provides for greater flexibility in pilot handling of high-speed planes," said Price, "as well as allowing for better and more perfect control." Even with installation of a simplified manual flight control system as an emergency back-up to the electrical system, this control system would be lighter than a mechanical control system of equal capability.

Convair SD engineers were considering the possibility of an electric flight control system as early as 1956, although work at that time was confined to analysis and computer simulation evaluation. Development of actual hardware came later. In 1957 the Air Force commissioned Convair SD to develop an emergency back-up system for an electrical system as a safety measure. Under this contract a "minimal manual" flight control system was evolved which was evaluated in flight tests at Edwards AFB and, later, at Wright-Patterson AFB, Dayton, Ohio.

"The minimal manual flight control system, with its side-located control stick, met with the general acceptance of those who flew it," commented Price.

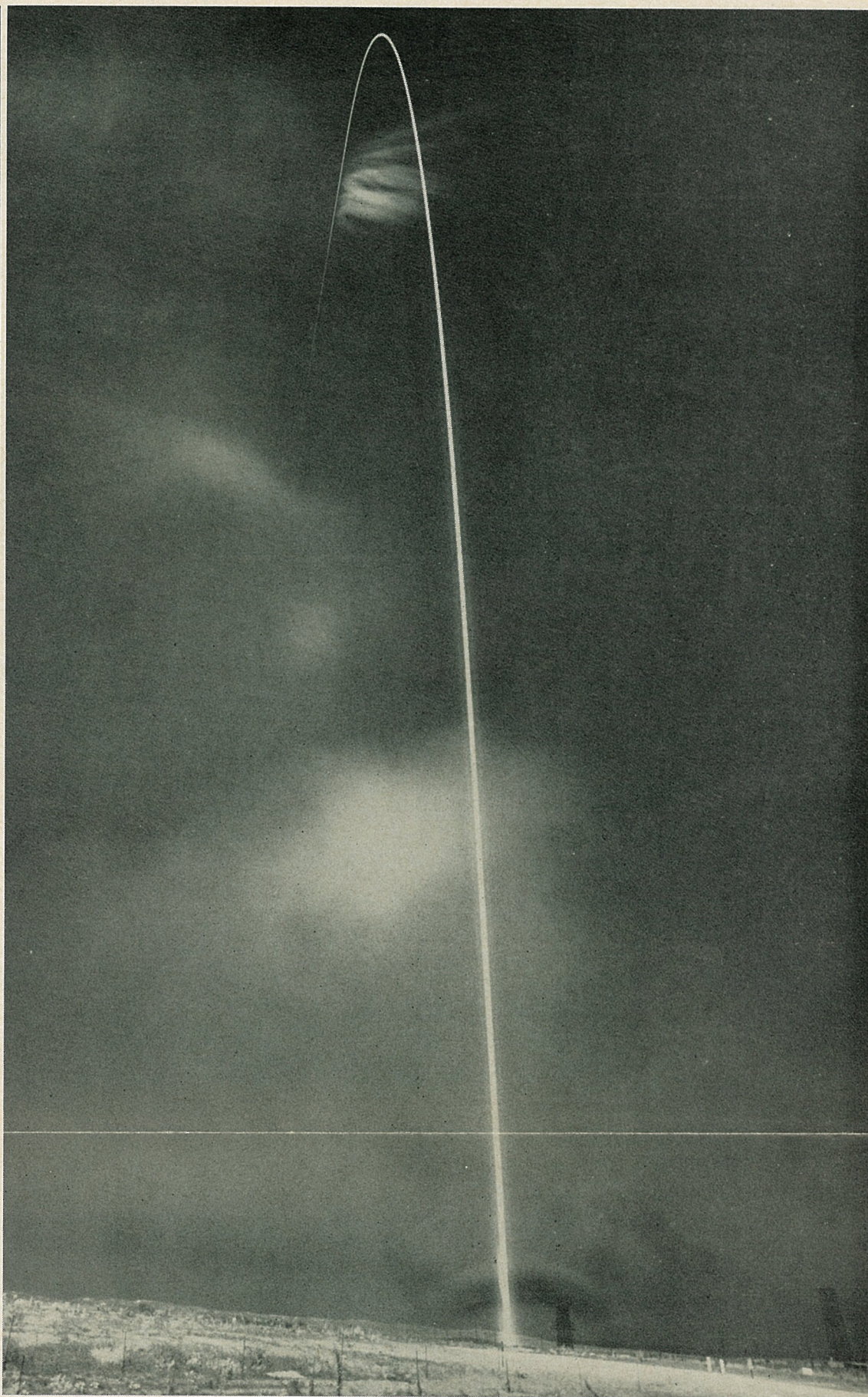
Dynamics test lab engineers are testing the system on the F-102 "iron horse" control system test stand in Bldg. 72 at SD Plant 1. This facility is coupled through electrical cables to the analog computer where airplane dynamics are simulated. Information from the computer lab in the form of data on rate of climb, speed, degree of turn, pitch, or roll appears on the pilot's instrument panel in Bldg. 72. Pilot interpretation of these instruments and of a simulated artificial horizon leads to inputs to the experimental control system, thus closing the loop for a realistic flight simulation.

SD experimental department is now installing the new-type system in an F-102A for flight test evaluation later this year at Edwards AFB.

Convair SD men most directly concerned with the project during its early development are R. A. Westerwick of dynamics; B. O. Andreasson and James Keogh, design engineers of the controls group; Max Leeds and George Anderson, electronics sub-department. Dynamics test engineer is R. D. Miller under supervision of J. W. Mansfield of dynamics test laboratories. Assisting Price on the project is Paul Lawhead of the dynamics group.



**NEW VERSION** — Test engineer R. D. Miller of Convair SD dynamics lab tries out new side-located "electric stick" for control of planes by electricity and electronics now under evaluation in SD dynamics lab test building at Plant 1.



**ON UP AND UP**—First Atlas fired from Vandenberg, Calif., arcs across Pacific in this dramatic time exposure taken by Astronautics photographer Henry Kierstead. Cloud effect at top actually was caused by contrail (vapor trail). Blown by wind, time exposure makes this appear as cloud.

## Vandenberg Folk Hit Cloud Nine As AF's Atlas Soars to Success

On the morning of the firing of the first Atlas missile from Vandenberg AFB (Sept. 9) no one had anything on his mind more important than the shoot, according to Bunny Ingraham,

Convair news contact there.

As the hours wore on the excitement mounted and by zero hour everyone concerned was at top pitch. This included the Air Force team conducting the shoot as well as the many Convair people standing by.

Al Fahenstock, missile field test checkout technician, passed along some colorful comment picked up in the blockhouse, fallout and launch area. One individual in the blockhouse became so "unglued" in the excitement that he demanded to know: "Is the man pushing the button certified?" (We all know that a stiff test is passed before certification and without a certificate "the man pushing the button" couldn't have been there!)

In the fallout area, as the missile started to wobble slightly in the first seconds of takeoff, someone shouted: "It's wobbling. APACHE did it again!" (APACHE means Automatic Programmed Checkout Equipment and the pad area boys are inclined to blame it for any "honk.") The man next to him, maintaining a stony calm, replied: "It's nothing. You'd wobble too, with that much heat back of you."

In the blockhouse, the general comment among technicians was "Oh, what I'd give to be outside!" Don Fagan, Astro chief test conductor at Vandenberg, watching the scene from outside, uncon-

## SPECTACULAR PHOTO OF ATLAS ACHIEVED WITH DOUBLE FILTER

Henry S. Kierstead, former ace daily newspaper photographer and a Convair lensman since 1957, used a standard 4x5 speed graphic to take the remarkable time exposure of the Atlas that appears above.

He was about two miles away from the launch site with the camera on its tripod set for a vertical shot. As it turned out, he needed every bit of film to catch the whole arc. He used an extreme 65 mm. wide angle lens with infra-red film and a red 25A filter, plus a neutral density filter of 2. The exposure was three minutes at F 32.

Convair engineers estimated that the point at which wind-blown contrails appear as clouds took place about 60,000 feet.

Nighttime exposures such as this are commonplace now, but this is a first for daytime.

sciously spoke aloud "Go, baby! Go!" and other spectators near him took up the chant.

As the Atlas rose from the pad a steno cried "Migosh! It's on fire! I see smoke!" (She was seeing LOX vapor, of course.)

A supervisor was overheard asking his secretary if she had mailed a certain letter. Preoccupied with the launch, she replied, "I can't remember. Anyhow, don't bother me."